

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091020\
 Data File : VV018186.D
 Acq On : 10 Sep 2020 17:49
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 10:29:01 AM

Quant Time: Sep 11 03:21:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 11 01:30:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	293719	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	287863	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	149267	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101921	42.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.16%
7) Chloroethane-d5	1.58	69	88982	45.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.86%
11) 1,1-Dichloroethene-d2	2.12	63	153180	34.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.78%
21) 2-Butanone-d5	3.91	46	142490	97.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.25%
24) Chloroform-d	4.38	84	187193	45.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.14%
26) 1,2-Dichloroethane-d4	5.06	65	127736	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
32) Benzene-d6	5.08	84	388373	47.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.26%
36) 1,2-Dichloropropane-d6	6.09	67	125621	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.96%
41) Toluene-d8	7.34	98	351373	46.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.58%
43) trans-1,3-Dichloropropene-	7.64	79	59578	44.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.56%
47) 2-Hexanone-d5	8.11	63	89660	90.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.40%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	153594	46.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	152237	49.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4968	2.320 ug/L	98
3) Chloromethane	1.25	50	5540	2.369 ug/L	99
5) Vinyl chloride	1.32	62	5885	2.454 ug/L #	78
6) Bromomethane	1.53	94	3270	2.231 ug/L	97
8) Chloroethane	1.60	64	3594	2.392 ug/L	100
9) Trichlorofluoromethane	1.77	101	7473	2.265 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5652	2.852 ug/L #	84
12) 1,1-Dichloroethene	2.13	96	5547	2.876 ug/L #	1
13) Acetone	2.19	43	4723	4.026 ug/L	100
14) Carbon disulfide	2.31	76	13393	2.270 ug/L	99
15) Methyl Acetate	2.46	43	4561	2.163 ug/L	98
16) Methylene chloride	2.53	84	5443	2.517 ug/L	92
17) trans-1,2-Dichloroethene	2.78	96	4416	2.222 ug/L	94
18) Methyl tert-butyl Ether	2.79	73	12619	2.052 ug/L	98
19) 1,1-Dichloroethane	3.22	63	8459	2.251 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	4767	2.244 ug/L	87
22) 2-Butanone	4.02	43	6128m	4.411 ug/L	

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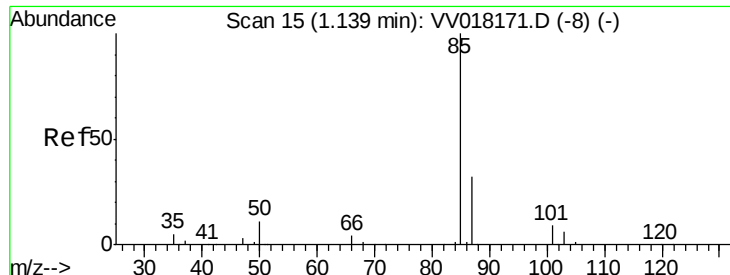
Manual Integrations
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 9/11/2020 10:29:01 AM

Quant Time: Sep 11 03:21:35 2020
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 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	2574	2.316	ug/L	85
25) Chloroform	4.40	83	15944	4.174	ug/L	95
27) 1,2-Dichloroethane	5.17	62	6224	2.105	ug/L	100
29) Cyclohexane	4.71	56	7110	2.139	ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	7335	2.196	ug/L	100
31) Carbon tetrachloride	4.86	117	6265	2.133	ug/L	99
33) Benzene	5.13	78	18444	2.241	ug/L	100
34) Trichloroethene	5.94	95	5269	2.350	ug/L	98
35) Methylcyclohexane	6.16	83	6992	2.071	ug/L	96
37) 1,2-Dichloropropane	6.20	63	4820	2.210	ug/L #	91
38) Bromodichloromethane	6.54	83	5926	2.088	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	7072	2.105	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	10556	3.990	ug/L	97
42) Toluene	7.41	91	19517	2.241	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	6831	2.088	ug/L	94
45) 1,1,2-Trichloroethane	7.87	97	4761	2.355	ug/L	91
46) Tetrachloroethene	8.00	164	4079	2.320	ug/L	94
48) 2-Hexanone	8.16	43	15832	7.590	ug/L	92
49) Dibromochloromethane	8.27	129	4653	2.051	ug/L	94
50) 1,2-Dibromoethane	8.38	107	4795	2.254	ug/L #	96
51) Chlorobenzene	8.90	112	12949	2.289	ug/L	96
52) Ethylbenzene	9.04	91	20673	2.174	ug/L	96
53) m,p-Xylene	9.16	106	6974	1.965	ug/L	100
54) o-xylene	9.57	106	6379	1.866	ug/L	97
55) Styrene	9.59	104	10629	1.788	ug/L	96
56) Isopropylbenzene	9.95	105	17321	1.880	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	7335	2.453	ug/L #	99
59) 1,2,3-Trichloropropane	10.30	75	5719	2.229	ug/L	100
61) Bromoform	9.76	173	3026	1.887	ug/L #	38
62) 1,3-Dichlorobenzene	11.21	146	9917	2.234	ug/L	95
63) 1,4-Dichlorobenzene	11.30	146	11028	2.417	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	10854	2.419	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	1177	1.859	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	7658	2.189	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	6339	2.034	ug/L	97
69) Naphthalene	13.53	128	12505	1.586	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	5941	1.936	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



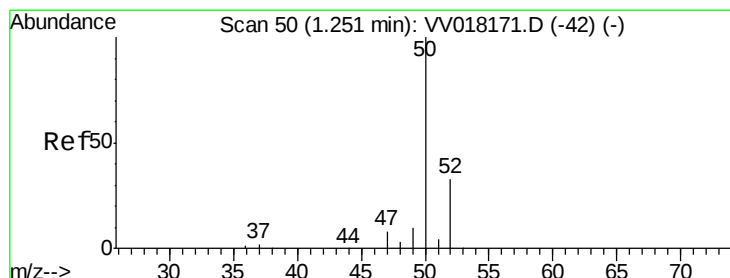
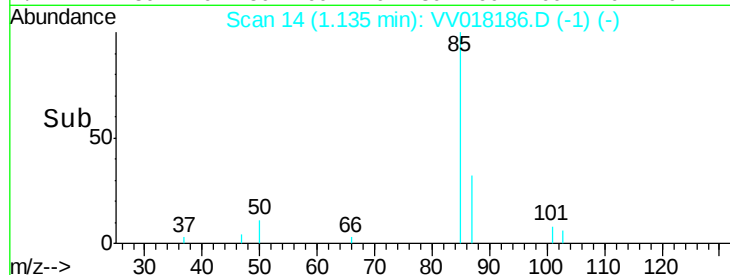
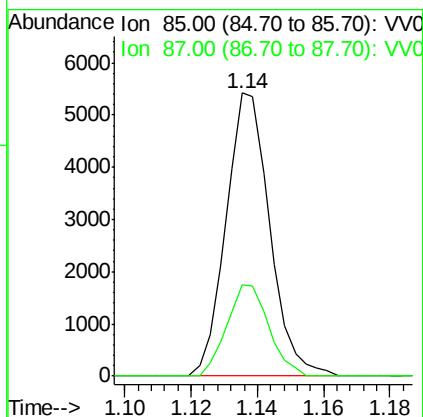
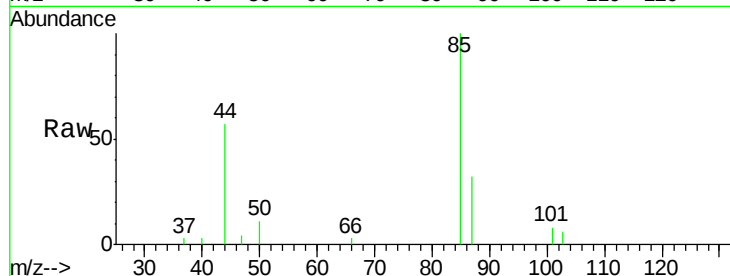
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 Dichlorodifluoromethane
 Concen: 2.320 ug/L
 RT: 1.14 min Scan# 14
 Delta R.T. -0.00 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion	85.00	Resp	4968
Ion	Ratio	Lower	Upper
85	100		
87	31.0	25.7	38.5

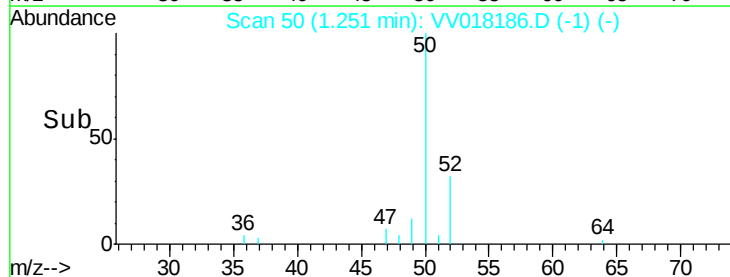
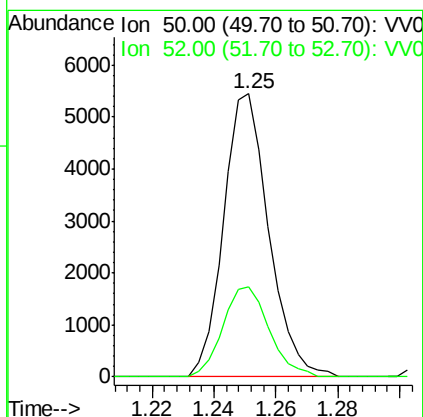
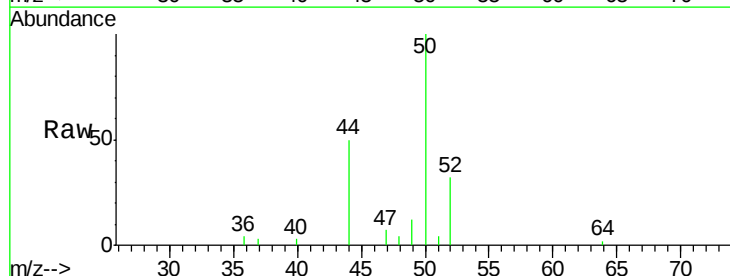
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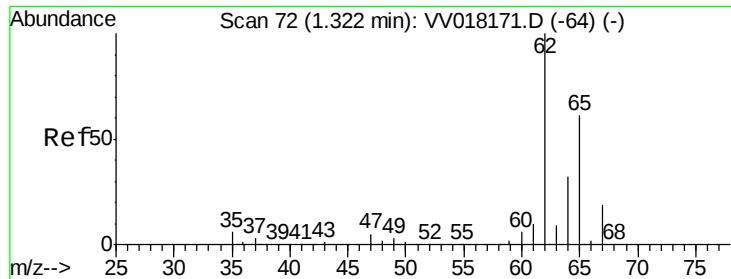
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#3
 Chloromethane
 Concen: 2.369 ug/L
 RT: 1.25 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Tgt Ion	50.00	Resp	5540
Ion	Ratio	Lower	Upper
50	100		
52	31.9	22.7	42.3





#5

Vinyl chloride

Concen: 2.454 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 62 Resp: 5885

Ion Ratio Lower Upper

62 100

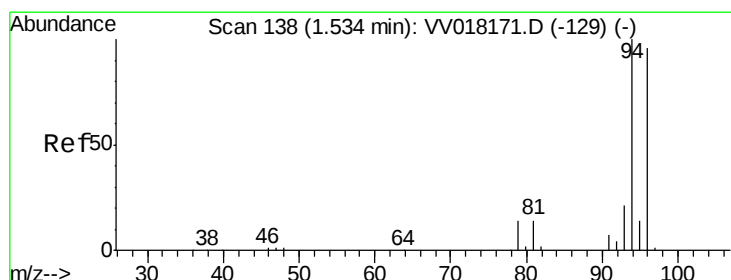
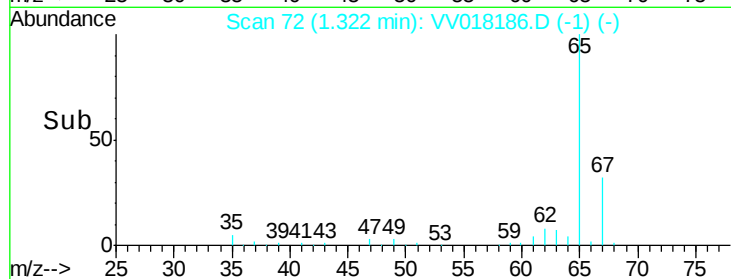
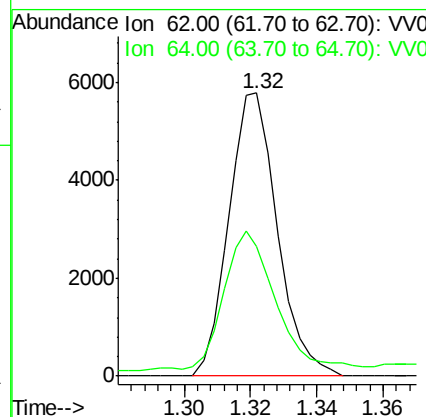
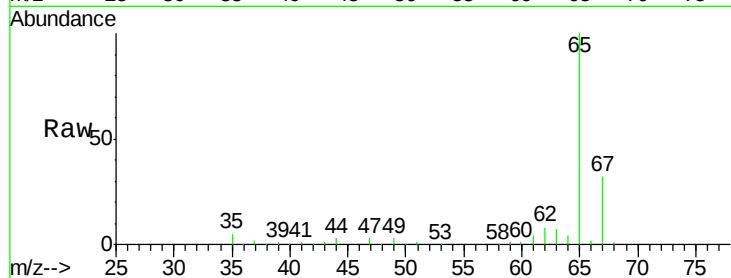
64 45.7 23.1 42.9#

Manual Integrations

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#6

Bromomethane

Concen: 2.231 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018186.D

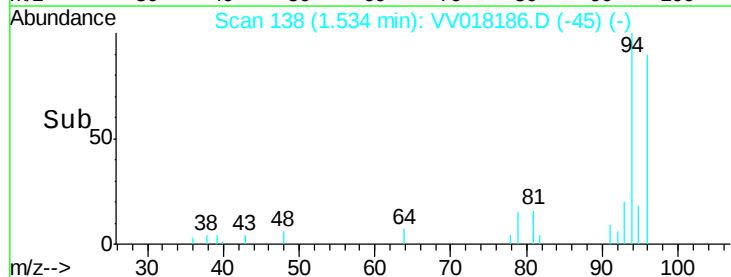
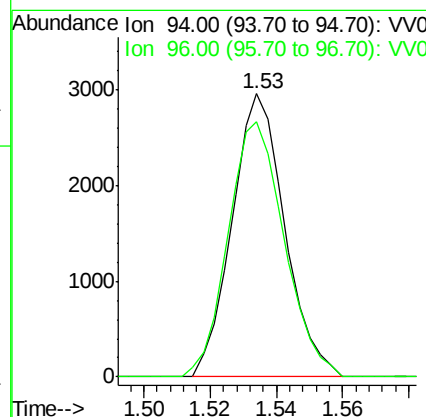
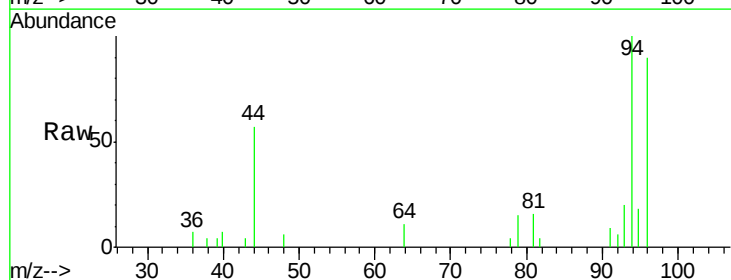
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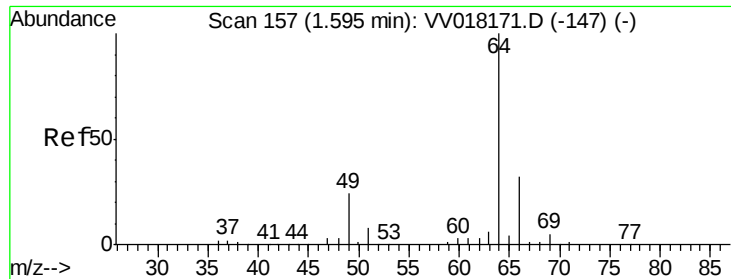
Tgt Ion: 94 Resp: 3270

Ion Ratio Lower Upper

94 100

96 90.3 65.1 120.9





#8

Chloroethane

Concen: 2.392 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 64 Resp: 3594

Ion Ratio Lower Upper

64 100

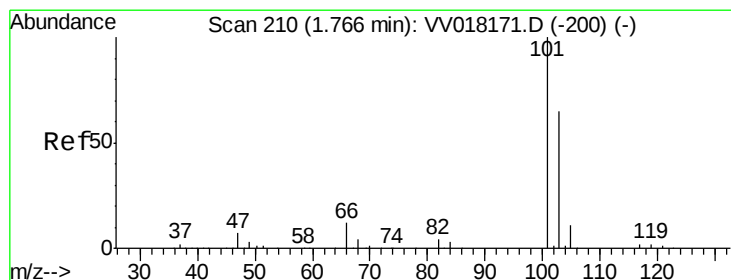
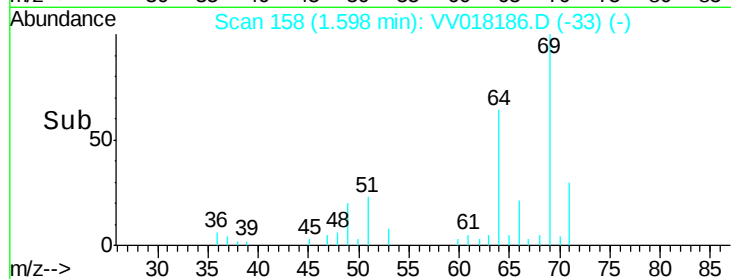
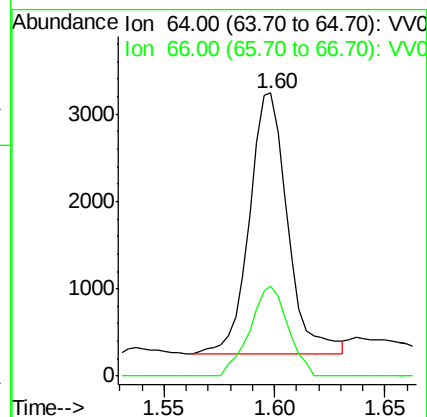
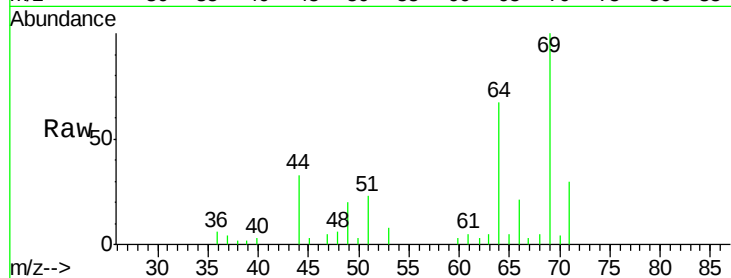
66 31.8 22.5 41.7

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 2.265 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV018186.D

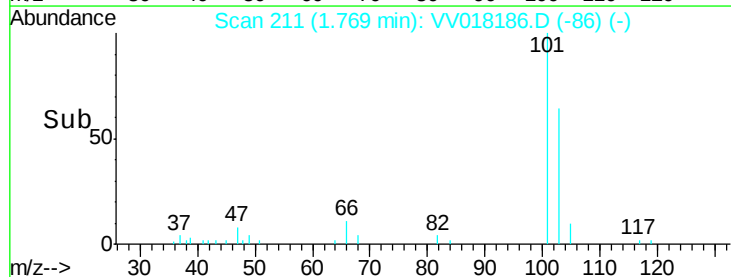
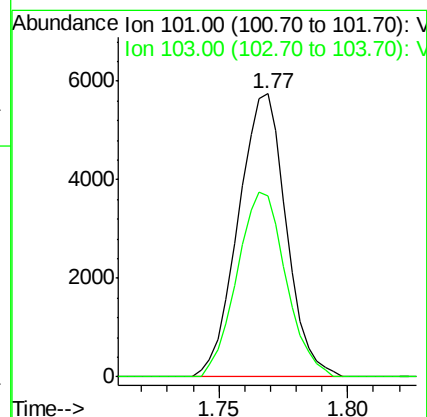
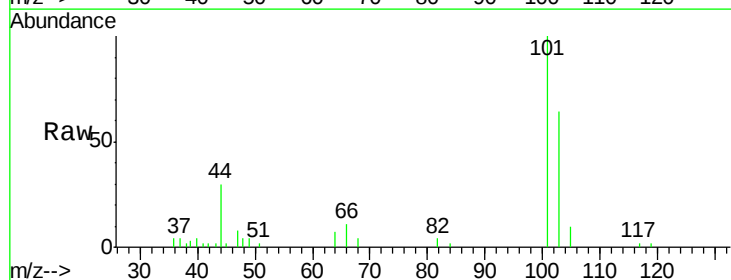
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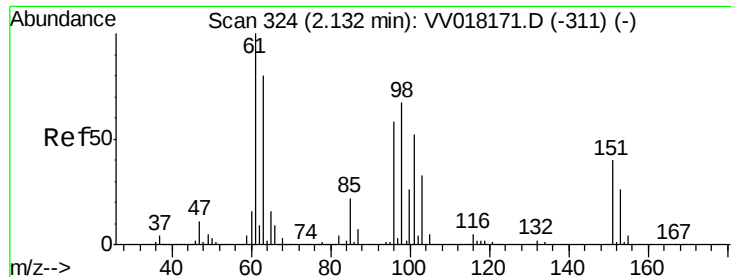
Tgt Ion: 101 Resp: 7473

Ion Ratio Lower Upper

101 100

103 66.4 51.8 77.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.852 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

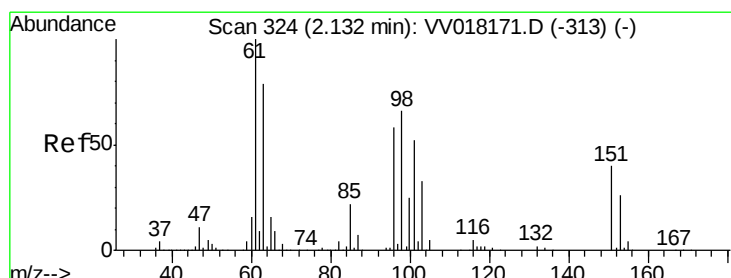
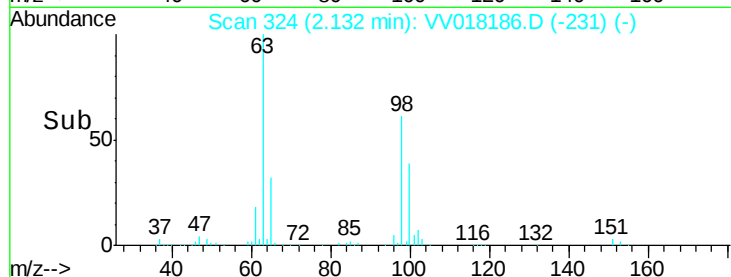
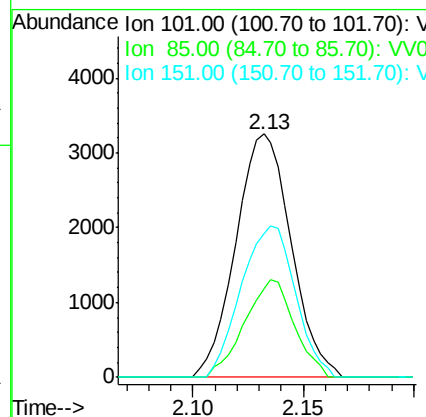
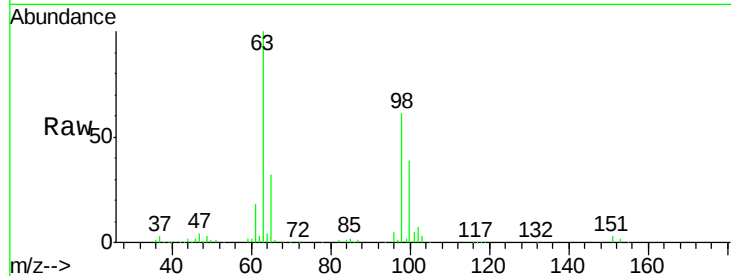
ClientSampleId :

MDL04

Tot Ion:	101	Resp:	5652
Ion Ratio	Lower	Upper	
101	100		
85	36.0	33.5	50.3
151	60.9	62.2	93.2#

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#12

1,1-Dichloroethene

Concen: 2.876 ug/L

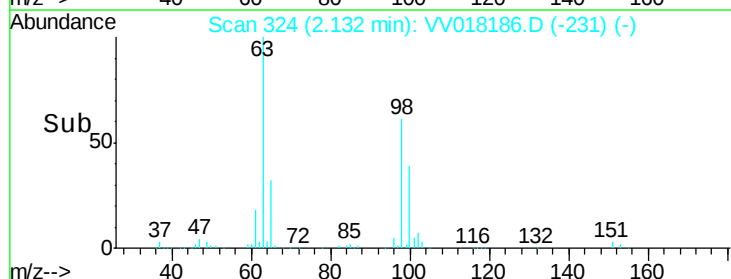
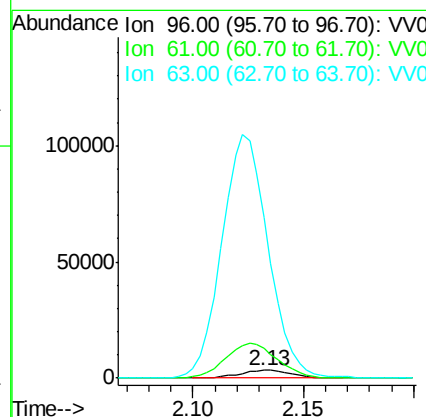
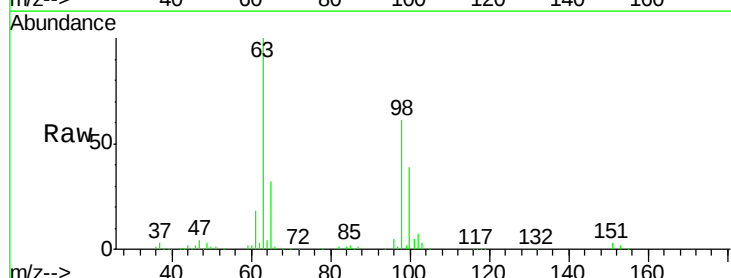
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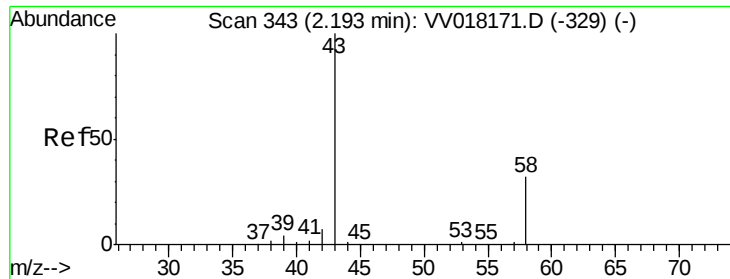
Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Tgt Ion:	96	Resp:	5547
Ion Ratio	Lower	Upper	
96	100		
61	367.8	122.9	228.3#
63	2008.3	91.9	170.7#





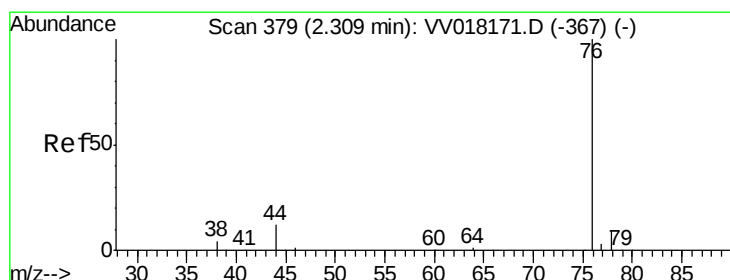
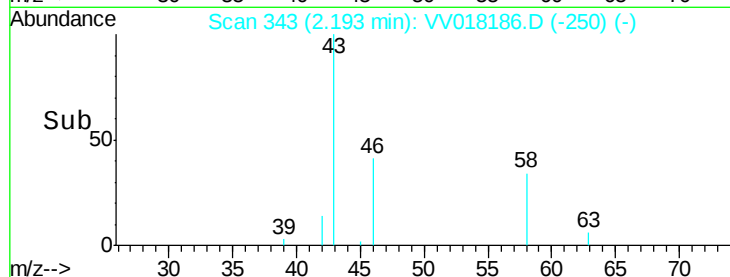
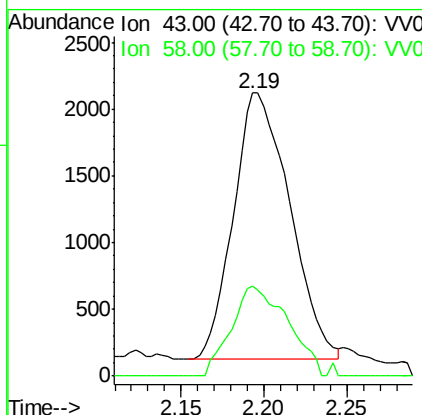
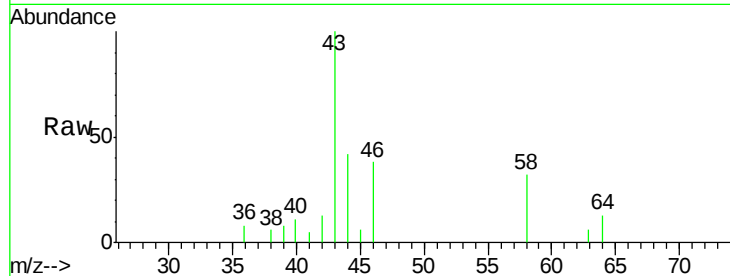
#13
Acetone
Concen: 4.026 ug/L
RT: 2.19 min Scan# 343
Delta R.T. 0.00 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion: 43 Resp: 4723
Ion Ratio Lower Upper
43 100
58 33.9 0.0 67.4

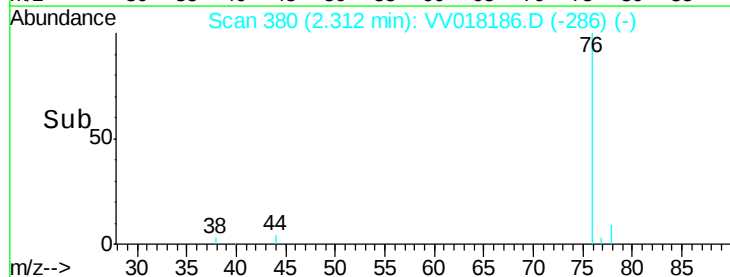
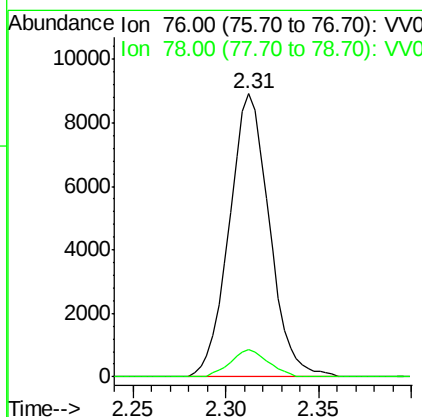
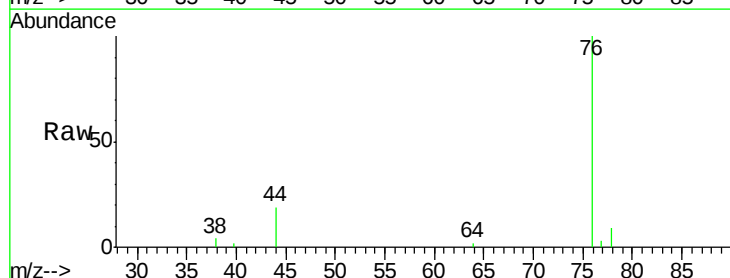
Manual Integrations
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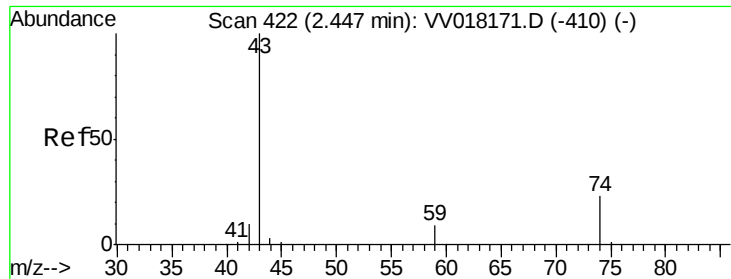
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9/11/2020 10:29:01 AM



#14
Carbon disulfide
Concen: 2.270 ug/L
RT: 2.31 min Scan# 380
Delta R.T. 0.00 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Tgt Ion: 76 Resp: 13393
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9





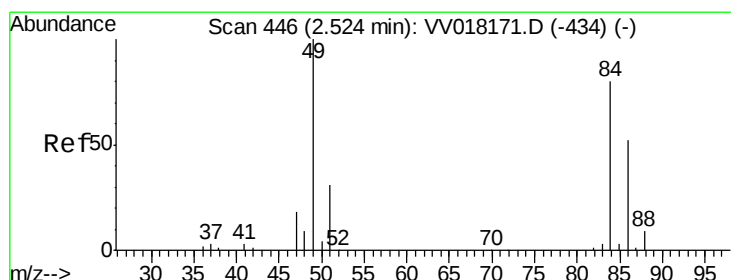
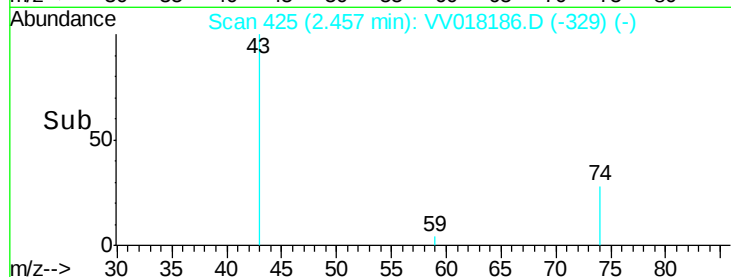
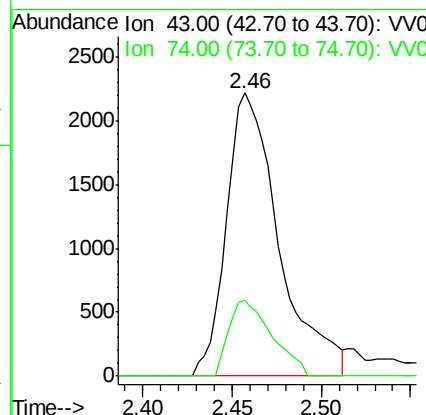
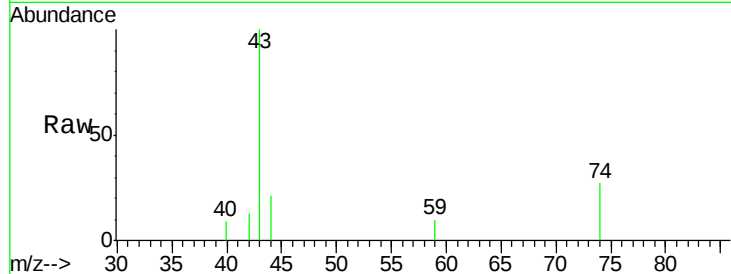
#15
Methvl Acetate
Concen: 2.163 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion: 43 Resp: 4561
Ion Ratio Lower Upper
43 100
74 21.9 18.4 27.6

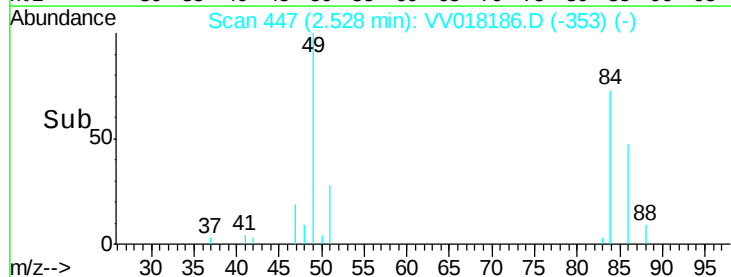
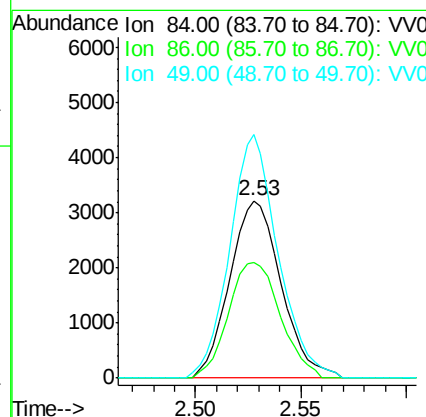
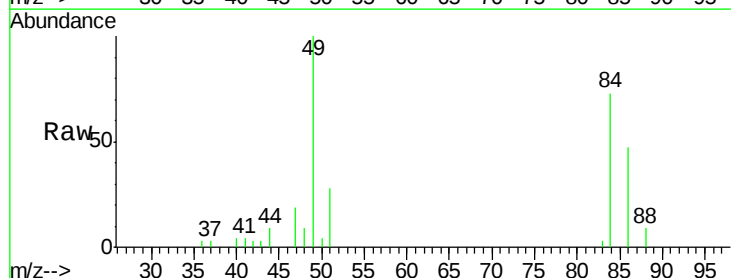
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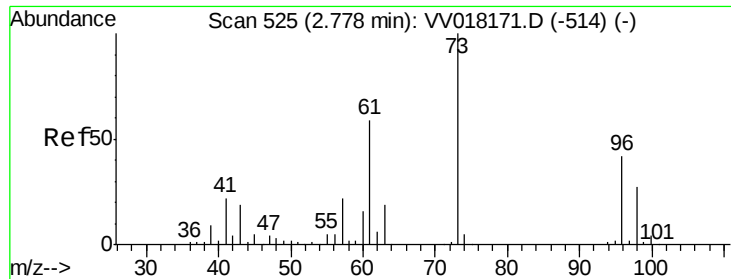
MMDadoda
9/11/2020 10:29:01 AM



#16
Methylene chloride
Concen: 2.517 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Tgt Ion: 84 Resp: 5443
Ion Ratio Lower Upper
84 100
86 64.8 44.4 82.4
49 137.2 87.2 162.0





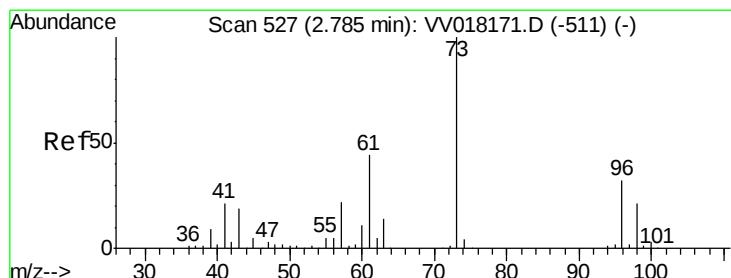
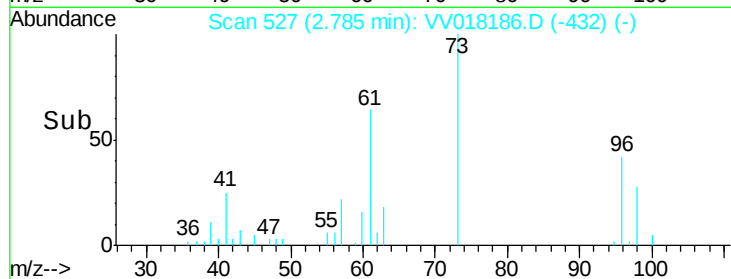
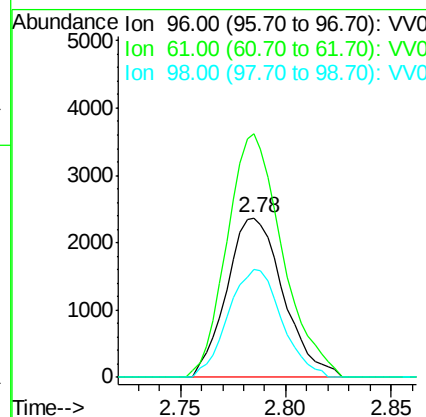
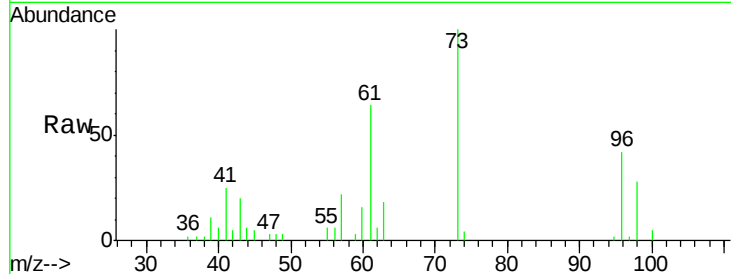
#17
trans-1,2-Dichloroethene
Concen: 2.222 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.9	100.7	186.9
98	67.4	45.2	84.0

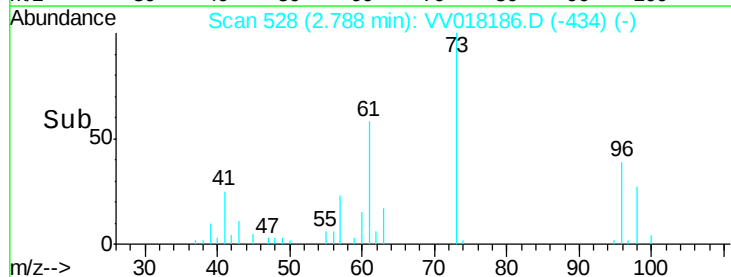
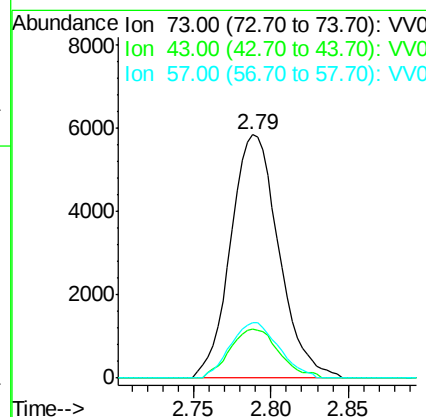
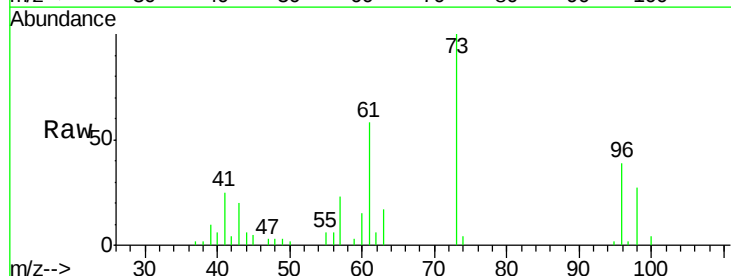
Manual Integrations
APPROVED

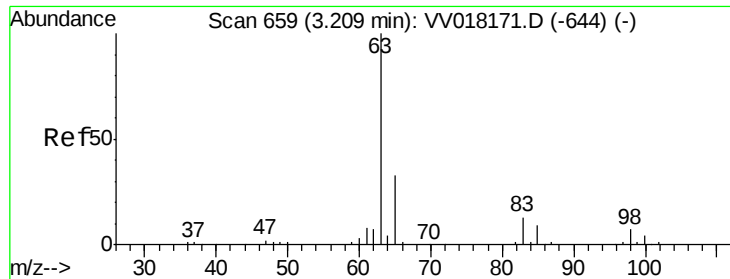
MMDadoda
9/11/2020 10:29:01 AM



#18
Methyl tert-butyl Ether
Concen: 2.052 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.5	15.4	23.0
57	22.8	18.0	27.0





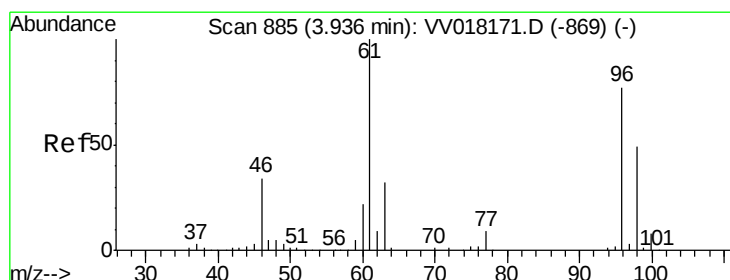
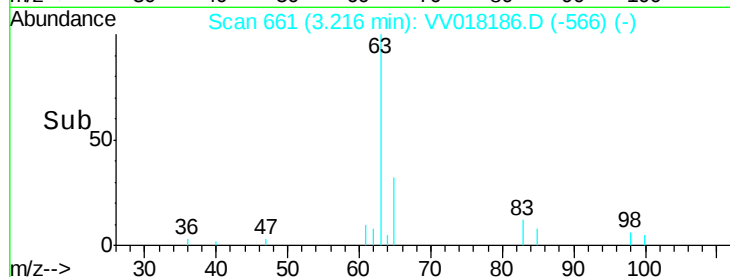
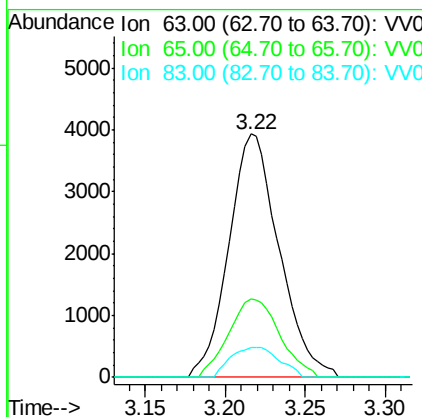
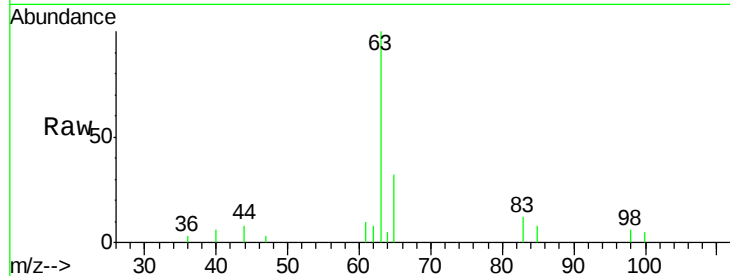
#19
 1,1-Dichloroethane
 Concen: 2.251 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion:	63	Resp:	8459
Ion	Ratio	Lower	Upper
63	100		
65	32.1	22.5	41.7
83	12.2	9.3	17.3

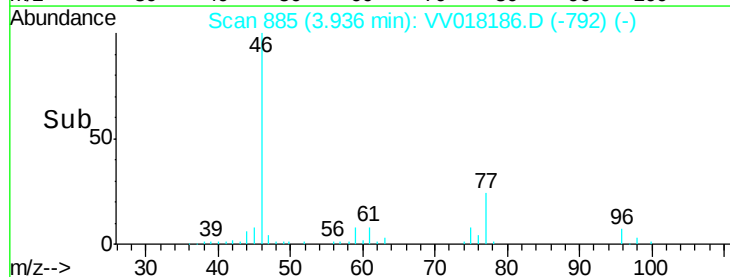
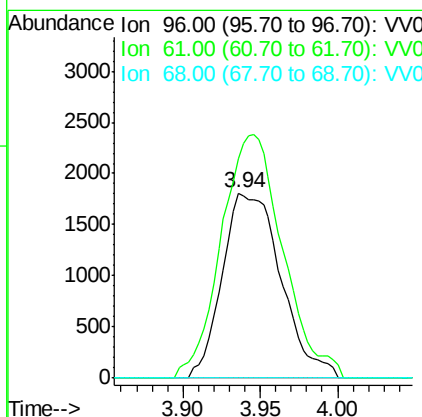
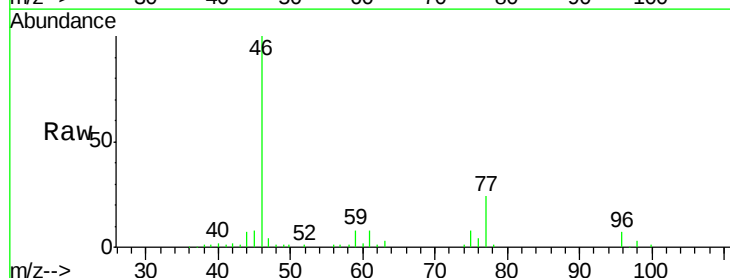
Manual Integrations
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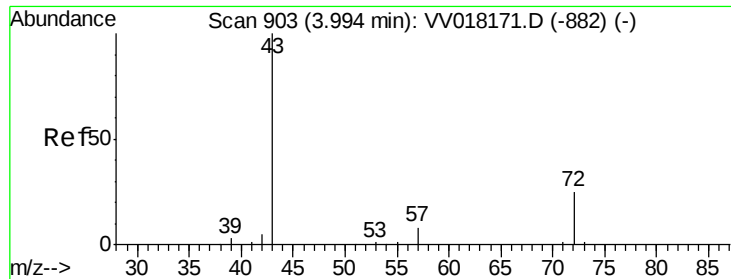
MMDadoda
 9/11/2020 10:29:01 AM



#20
 cis-1,2-Dichloroethene
 Concen: 2.244 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Tgt Ion:	96	Resp:	4767
Ion	Ratio	Lower	Upper
96	100		
61	118.6	93.6	173.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.411 ug/L m

RT: 4.02 min Scan# 912

Delta R.T. 0.03 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 43 Resp: 6128

Ion Ratio Lower Upper

43 100

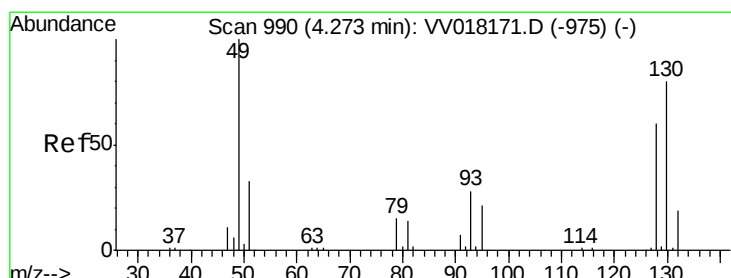
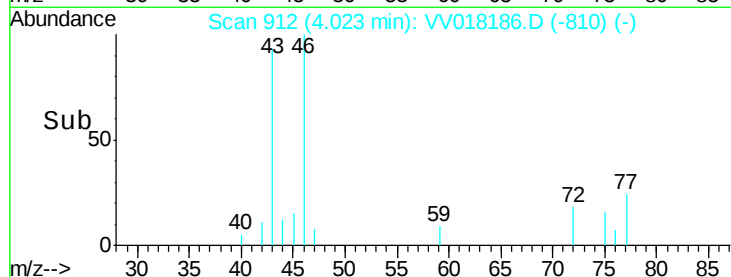
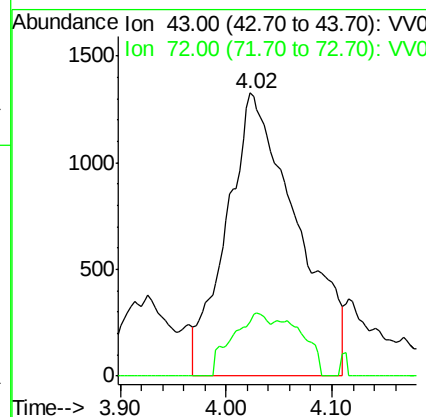
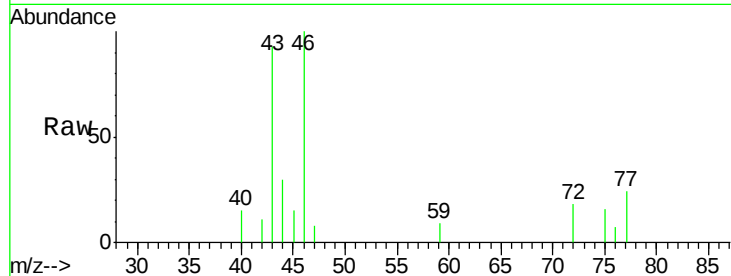
72 6.5 13.1 39.3#

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#23

Bromochloromethane

Concen: 2.316 ug/L

RT: 4.29 min Scan# 995

Delta R.T. 0.02 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Tgt Ion: 128 Resp: 2574

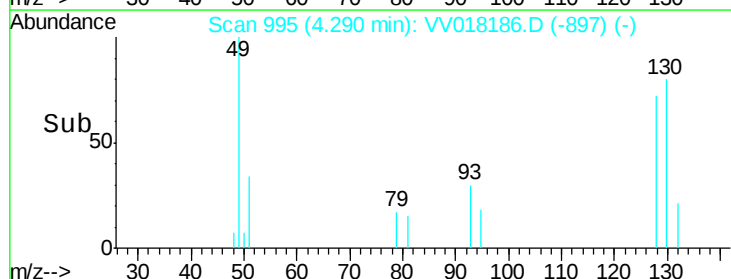
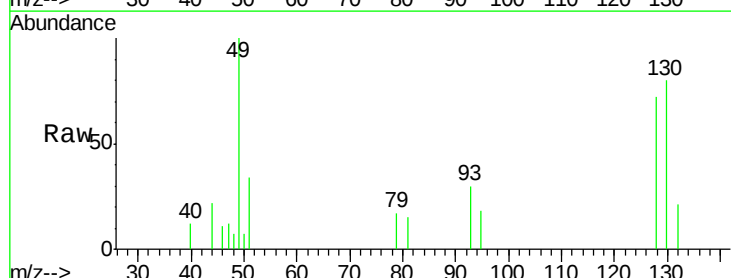
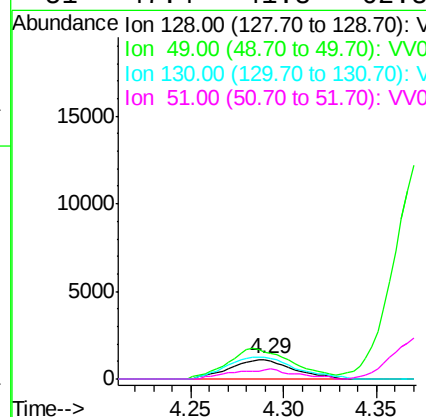
Ion Ratio Lower Upper

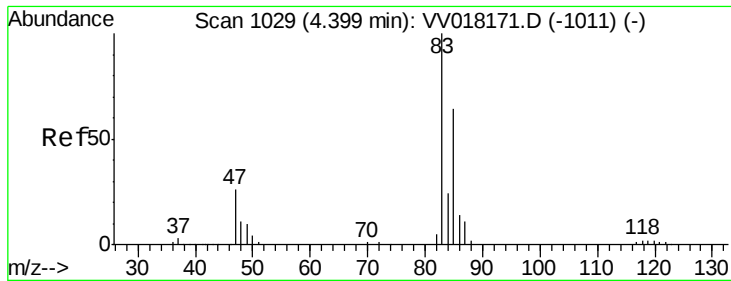
128 100

49 138.4 114.4 212.6

130 110.5 87.9 163.3

51 47.4 41.8 62.8





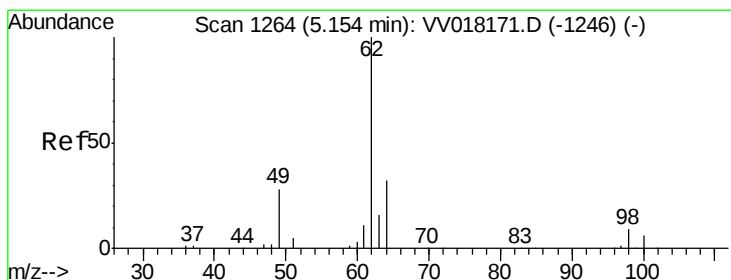
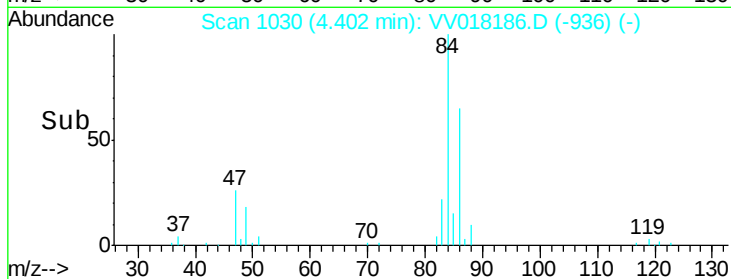
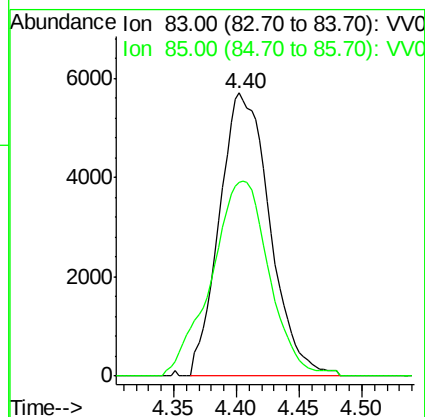
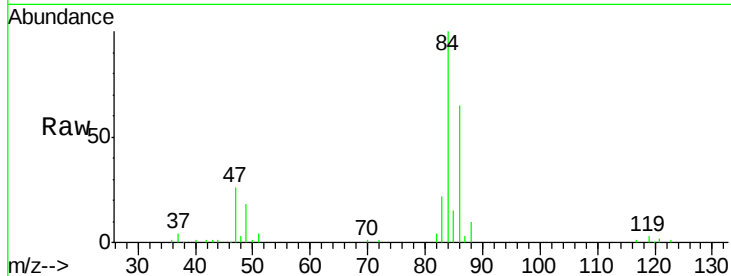
#25
Chloroform
Concen: 4.174 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion: 83 Resp: 15944
Ion Ratio Lower Upper
83 100
85 68.6 45.0 83.6

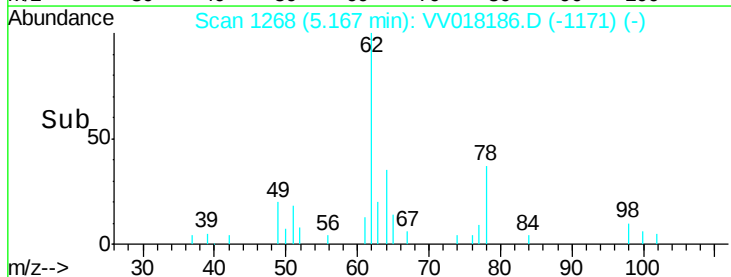
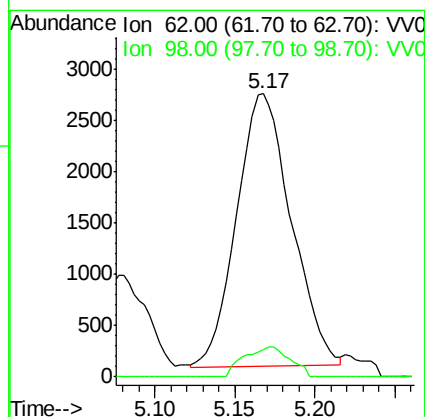
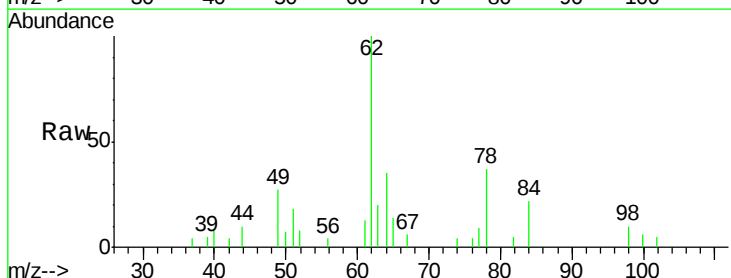
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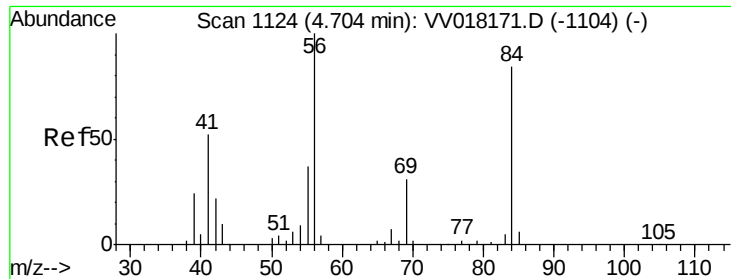
MMDadoda
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#27
1,2-Dichloroethane
Concen: 2.105 ug/L
RT: 5.17 min Scan# 1268
Delta R.T. 0.01 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Tgt Ion: 62 Resp: 6224
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4





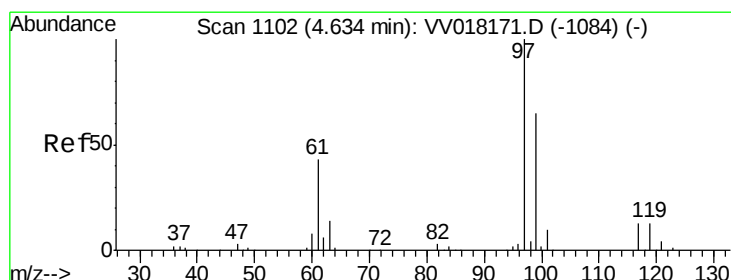
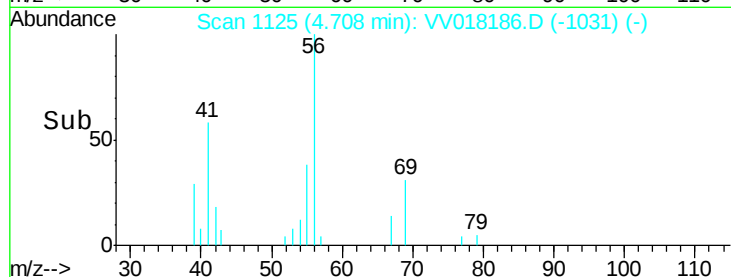
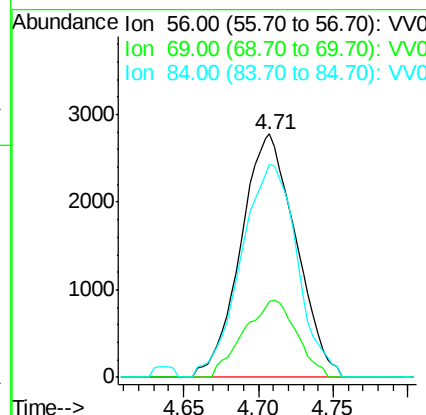
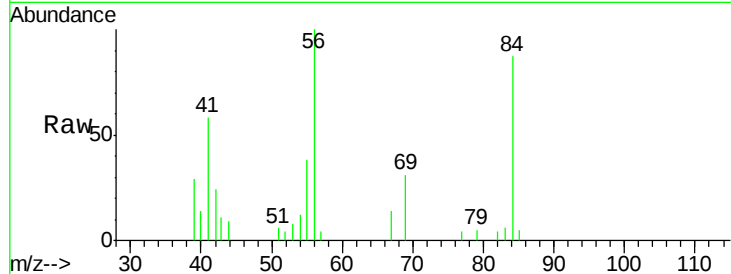
#29
Cyclohexane
Concen: 2.139 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.2	36.2
84	89.1	68.3	102.5

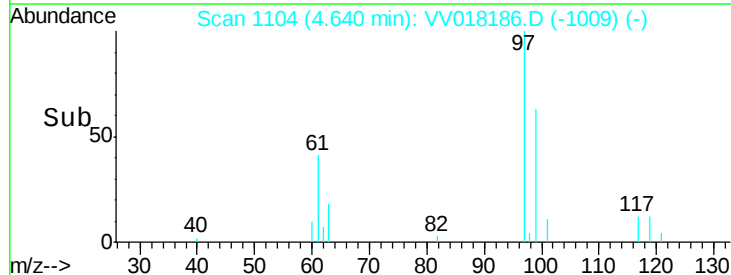
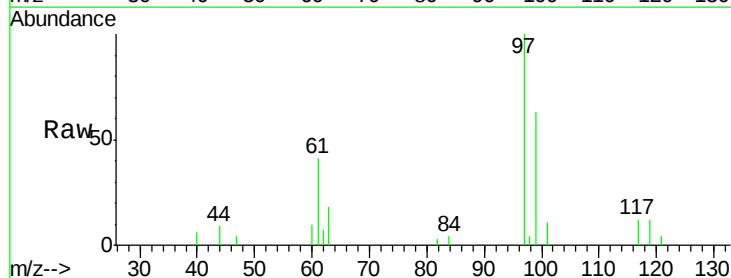
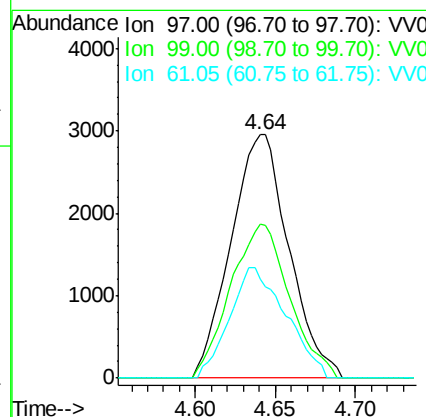
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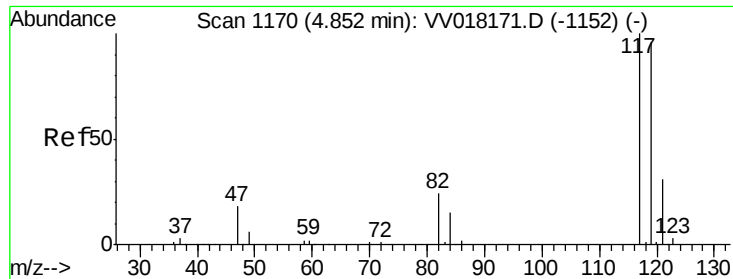
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#30
1,1,1-Trichloroethane
Concen: 2.196 ug/L
RT: 4.64 min Scan# 1104
Delta R.T. 0.01 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	43.9	34.9	52.3





#31

Carbon tetrachloride

Concen: 2.133 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion:117 Resp: 6265

Ion Ratio Lower Upper

117 100

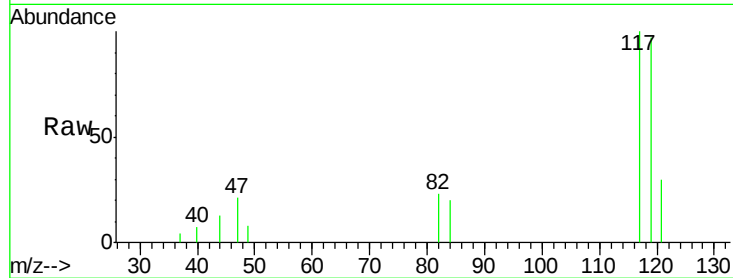
119 95.6 75.7 113.5

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

3000

2500

2000

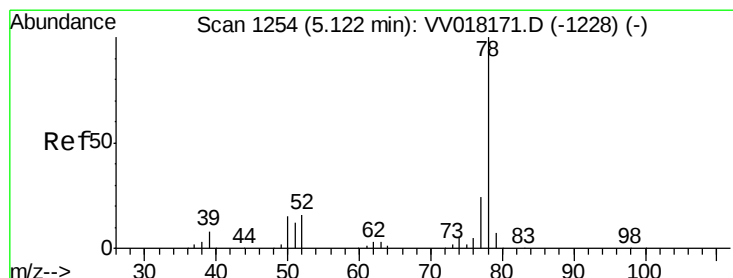
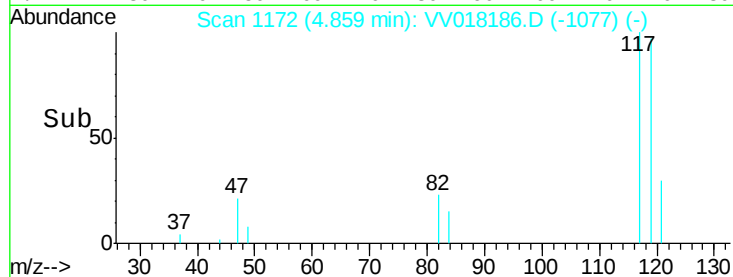
1500

1000

500

0

Time-->



#33

Benzene

Concen: 2.241 ug/L

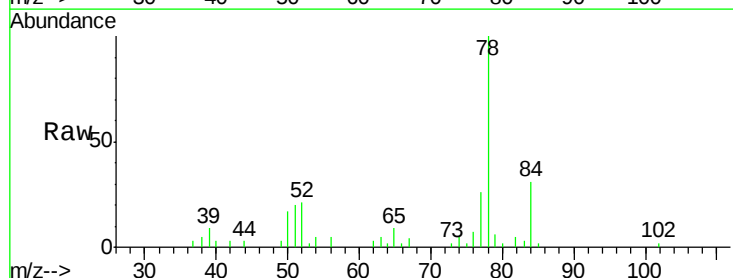
RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Tgt Ion: 78 Resp: 18444



Abundance Ion 78.00 (77.70 to 78.70): VV0

8000

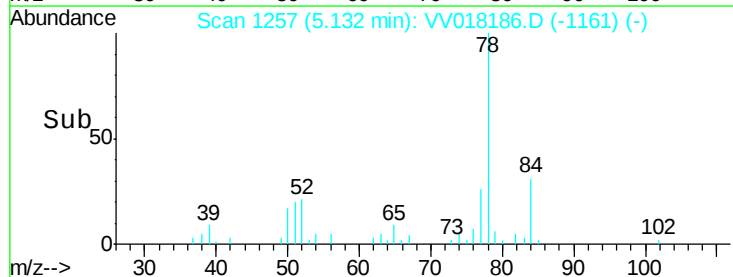
6000

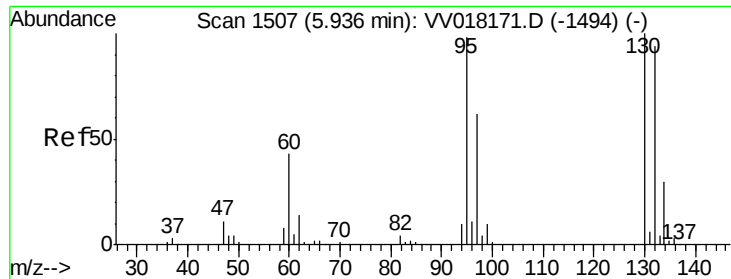
4000

2000

0

Time-->





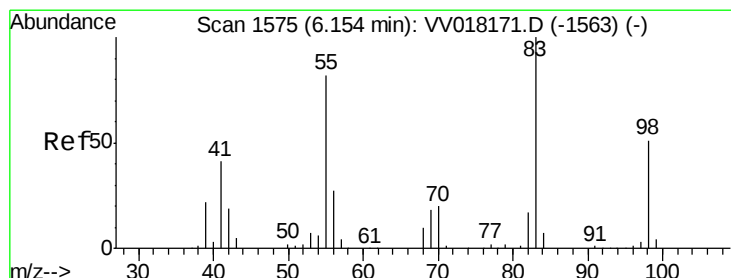
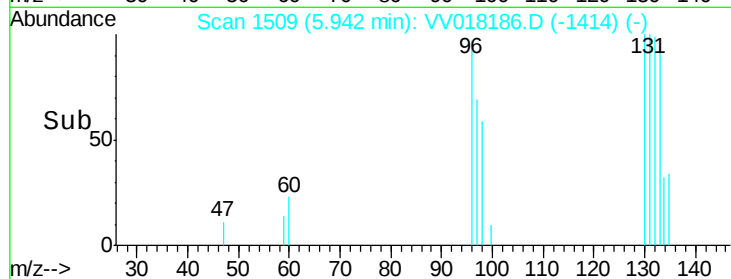
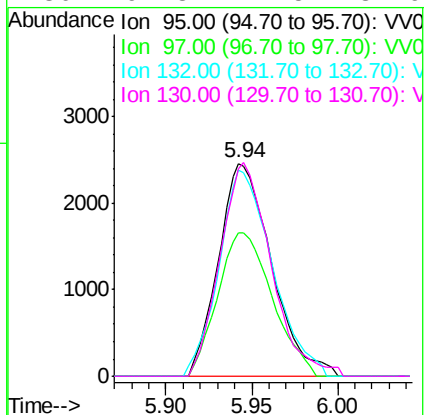
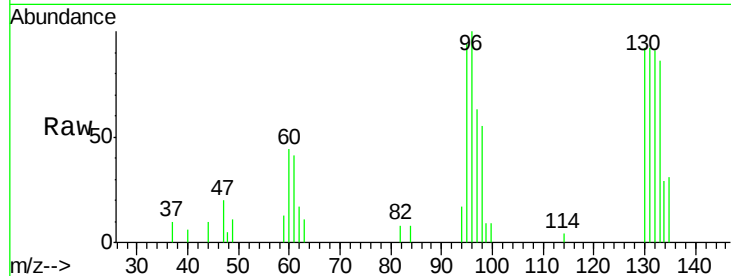
#34
 Trichloroethene
 Concen: 2.350 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion:	95	Resp:	5269
Ion	Ratio	Lower	Upper
95	100		
97	67.2	46.3	85.9
132	96.9	68.1	126.5
130	97.8	71.5	132.9

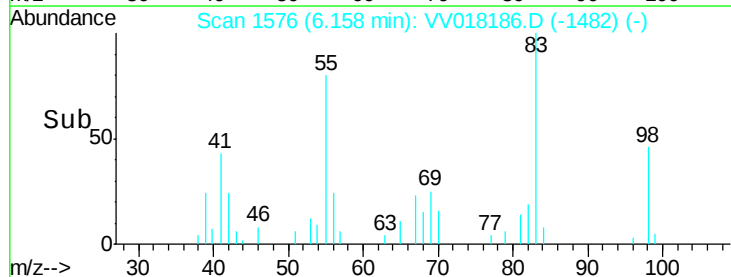
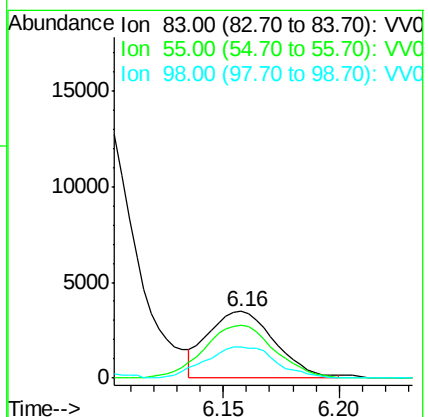
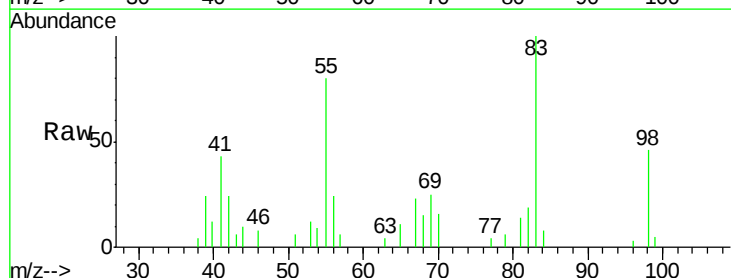
Manual Integrations
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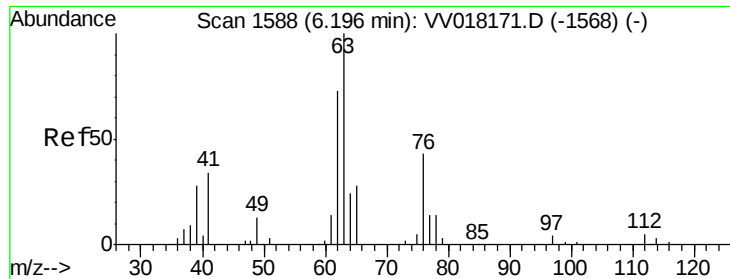
MMDadoda
 9/11/2020 10:29:01 AM



#35
 Methylcyclohexane
 Concen: 2.071 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Tgt Ion:	83	Resp:	6992
Ion	Ratio	Lower	Upper
83	100		
55	84.1	63.4	95.2
98	49.7	38.8	58.2





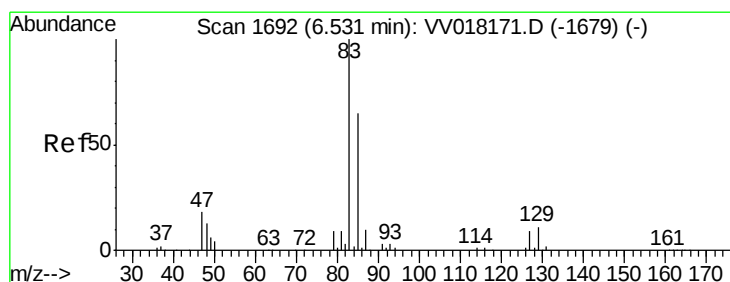
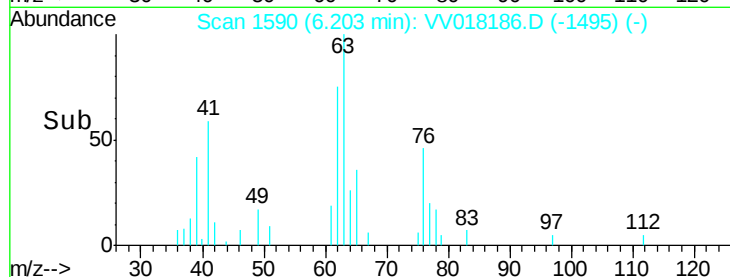
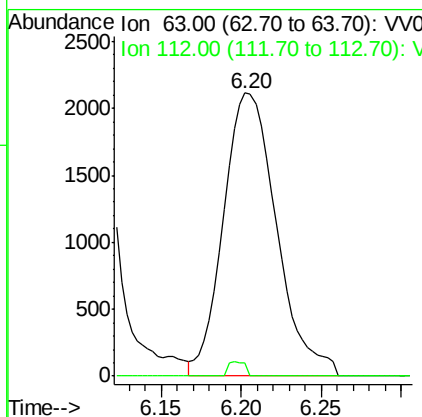
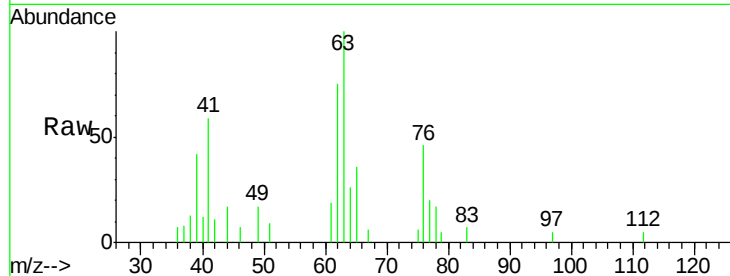
#37
 1,2-Dichloropropane
 Concen: 2.210 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL04

Tot Ion: 63 Resp: 4820
 Ion Ratio Lower Upper
 63 100
 112 1.3 3.4 5.2#

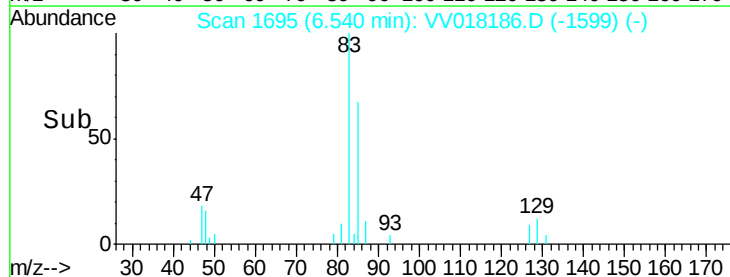
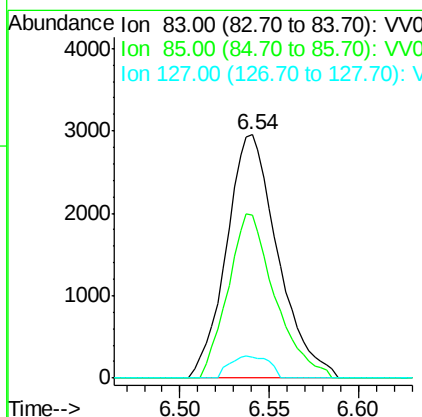
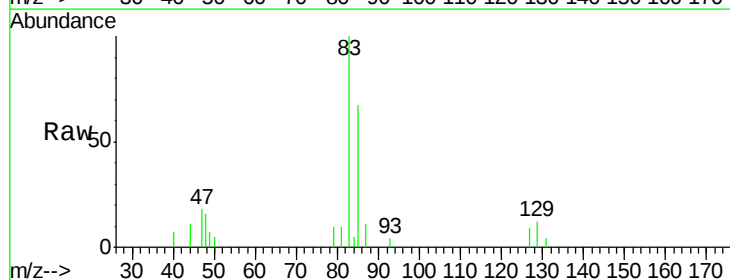
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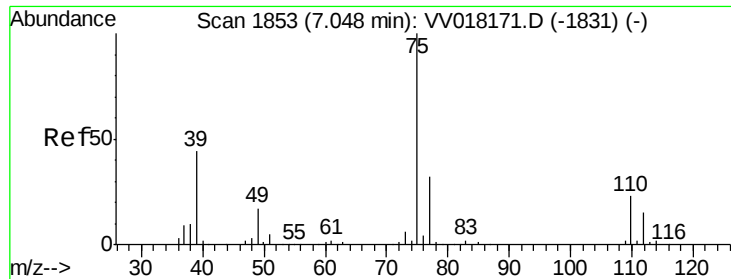
MMDadoda
 9/11/2020 10:29:01 AM



#38
 Bromodichloromethane
 Concen: 2.088 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Tgt Ion: 83 Resp: 5926
 Ion Ratio Lower Upper
 83 100
 85 67.0 44.7 82.9
 127 8.7 6.7 10.1





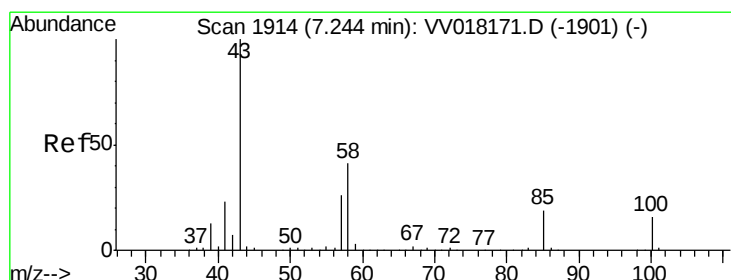
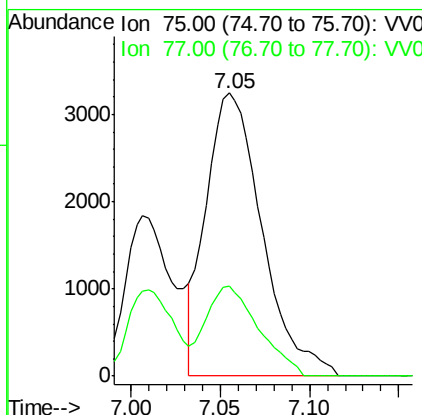
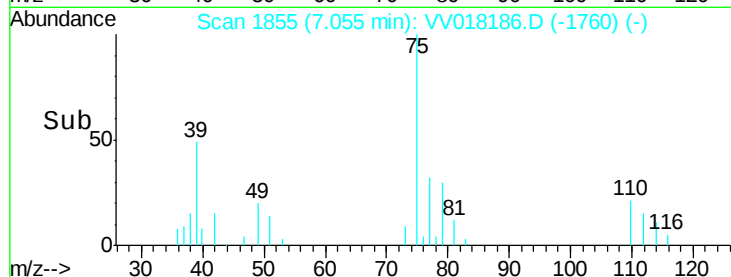
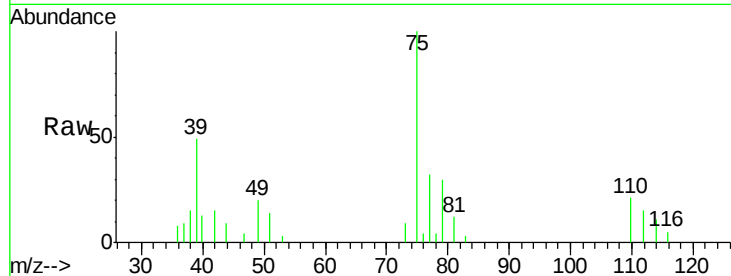
#39
 cis-1,3-Dichloropropene
 Concen: 2.105 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion: 75 Resp: 7072
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.3

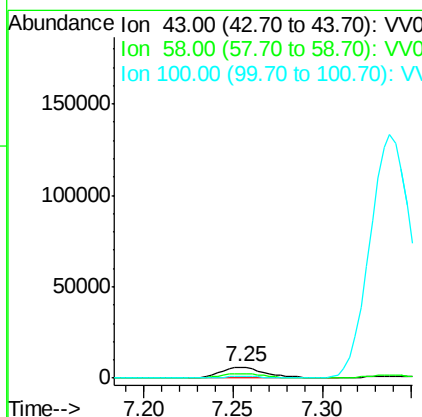
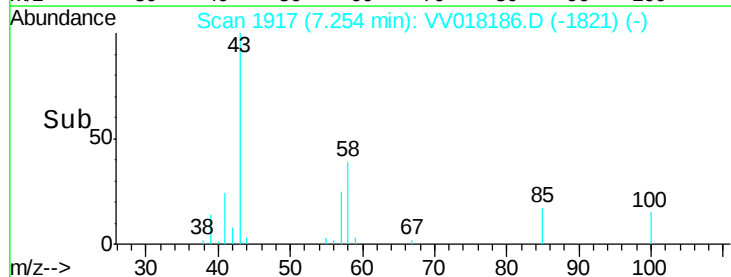
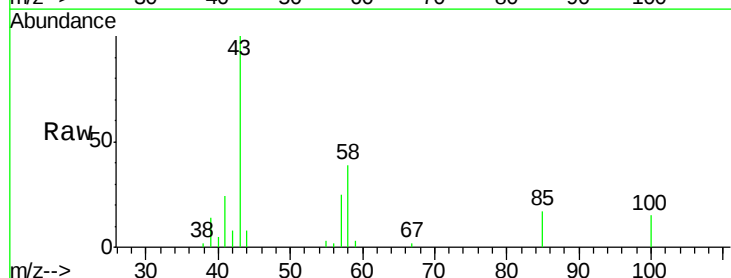
Manual Integrations
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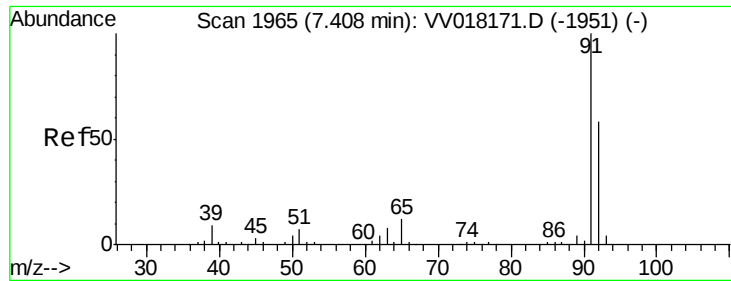
MMDadoda
 9/11/2020 10:29:01 AM



#40
 4-Methyl-2-pentanone
 Concen: 3.990 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Tgt Ion: 43 Resp: 10556
 Ion Ratio Lower Upper
 43 100
 58 39.3 32.4 48.6
 100 13.6 12.7 19.1





#42

Toluene

Concen: 2.241 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 91 Resp: 19517

Ion Ratio Lower Upper

91 100

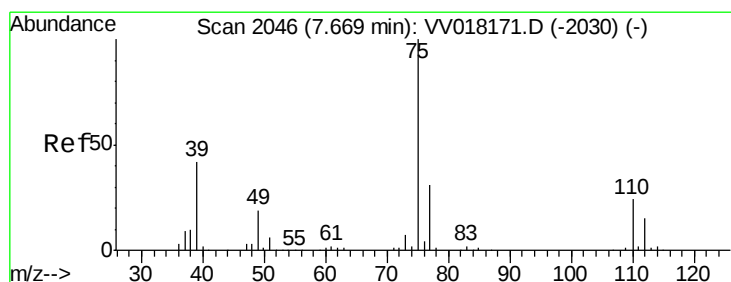
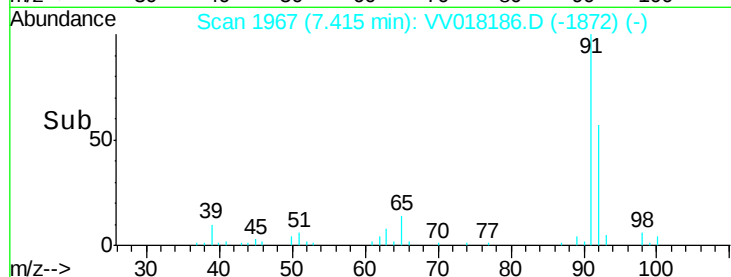
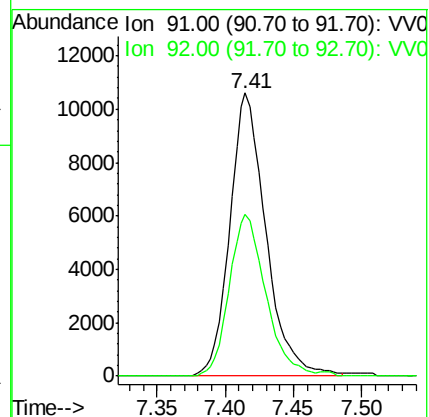
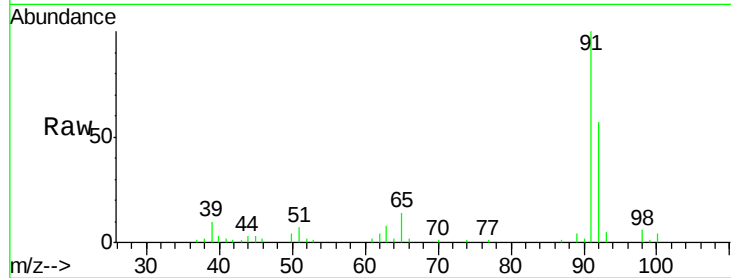
92 57.0 40.7 75.5

Manual Integrations

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MMDadoda

9/11/2020 10:29:01 AM



#44

trans-1,3-Dichloropropene

Concen: 2.088 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV018186.D

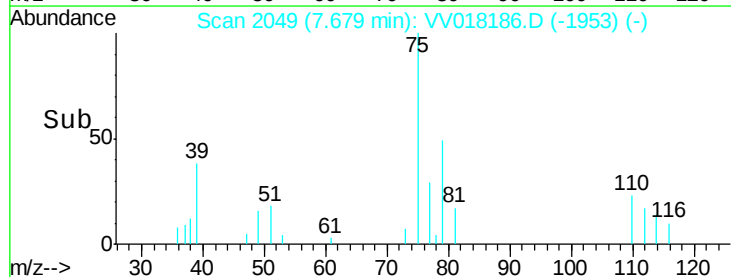
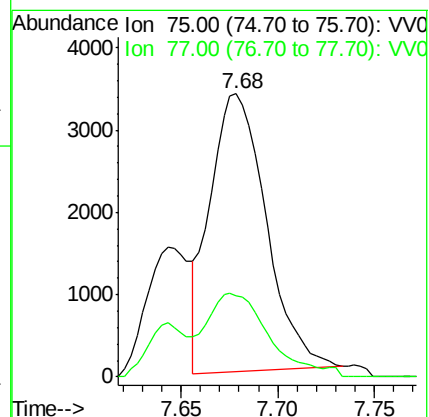
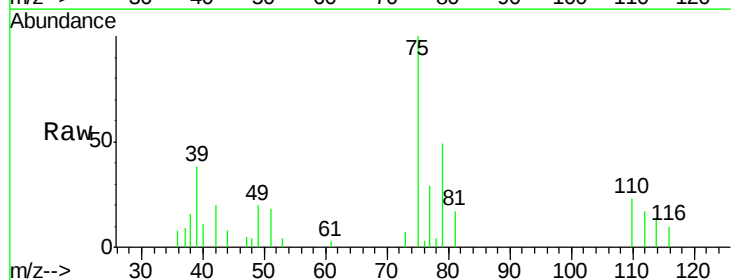
Acq: 10 Sep 2020 17:49

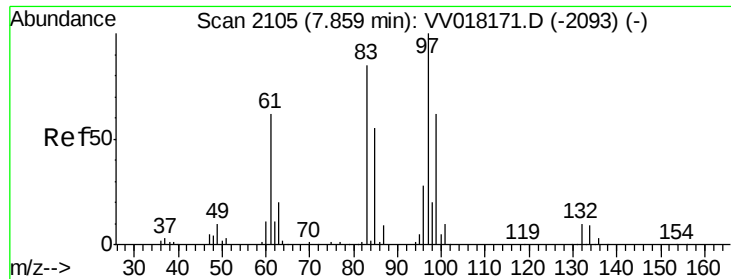
Tgt Ion: 75 Resp: 6831

Ion Ratio Lower Upper

75 100

77 28.8 22.3 41.5





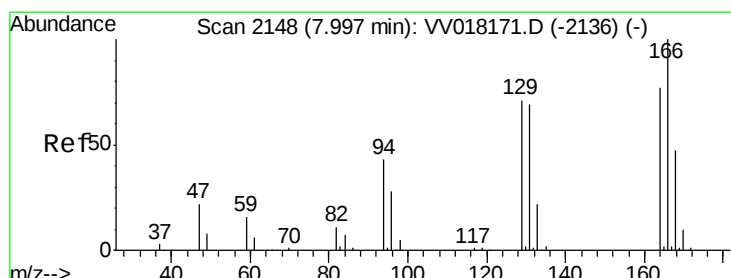
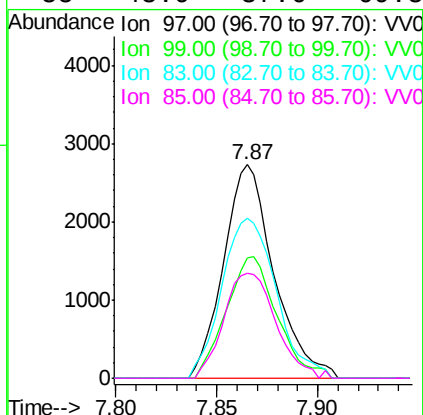
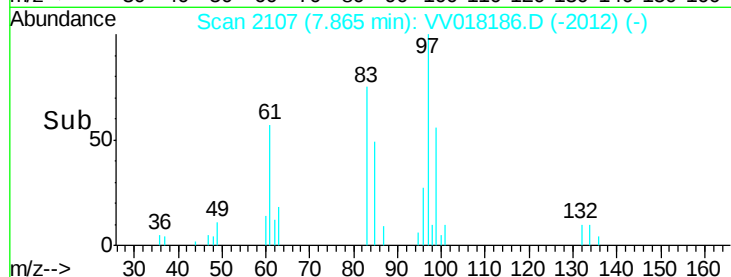
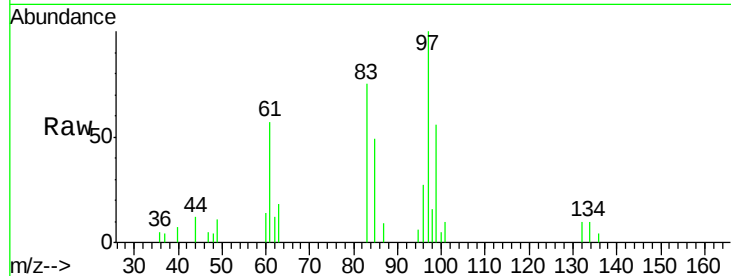
#45
1,1,2-Trichloroethane
Concen: 2.355 ug/L
RT: 7.87 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion:	97	Resp:	4761
Ion	Ratio	Lower	Upper
97	100		
99	56.2	43.7	81.1
83	75.0	59.9	111.3
85	48.9	37.6	69.8

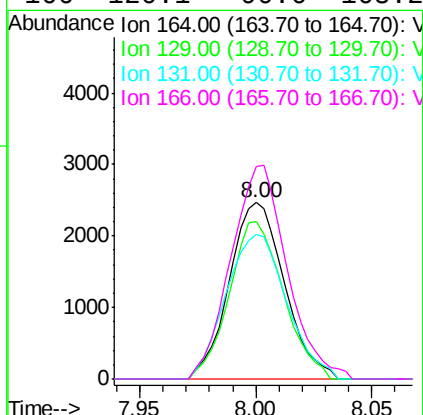
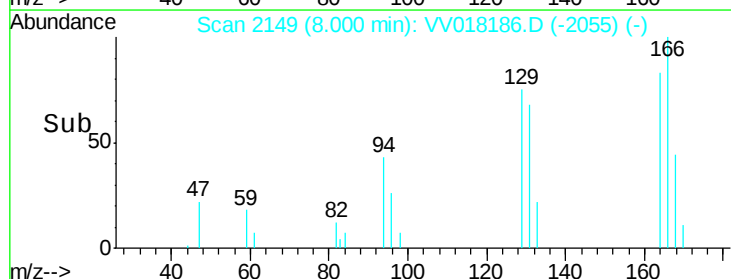
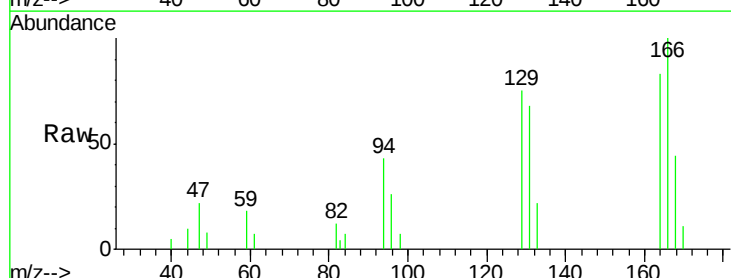
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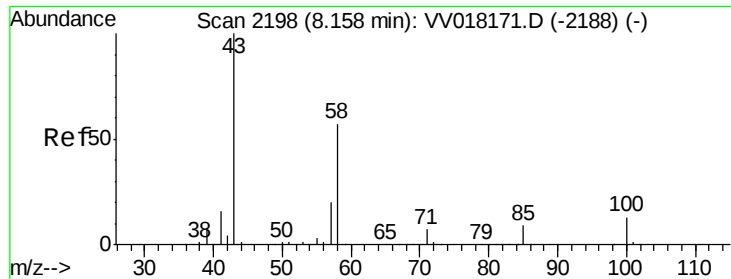
MMDadoda
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#46
Tetrachloroethene
Concen: 2.320 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Tgt Ion:	164	Resp:	4079
Ion	Ratio	Lower	Upper
164	100		
129	89.6	64.5	119.7
131	82.0	61.8	114.8
166	120.1	90.6	168.2





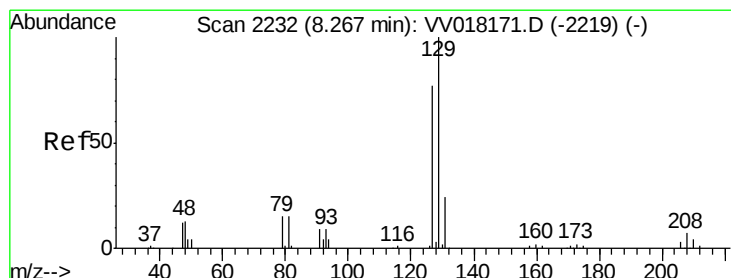
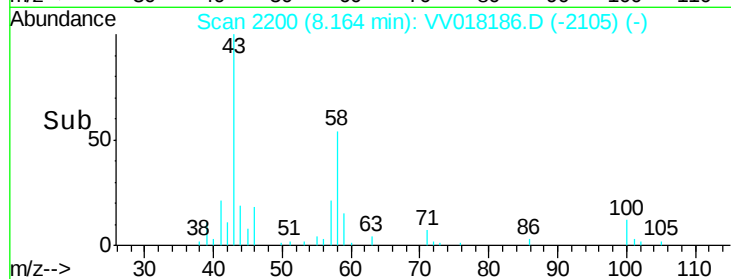
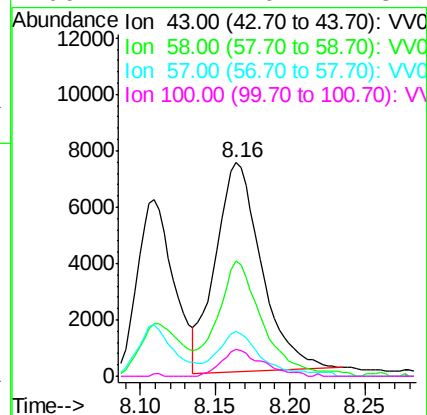
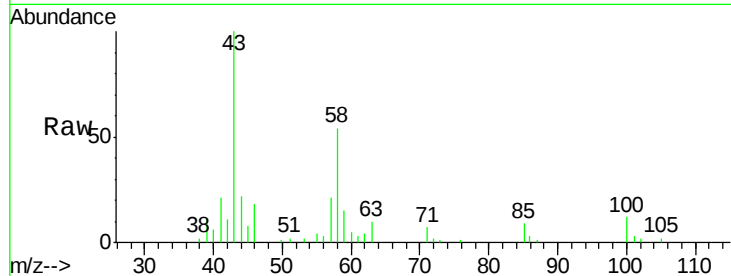
#48
2-Hexanone
Concen: 7.590 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.0	44.8	67.2
57	17.1	15.8	23.6
100	11.2	10.2	15.4

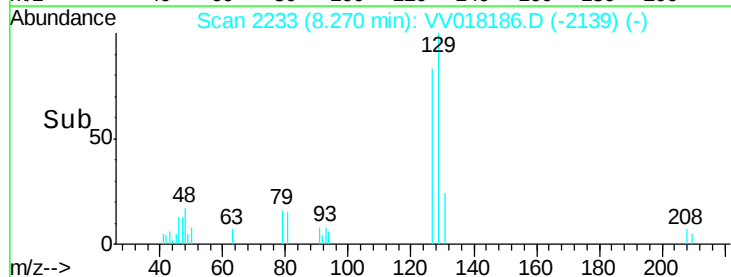
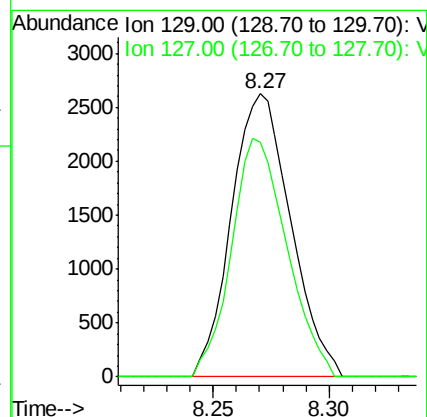
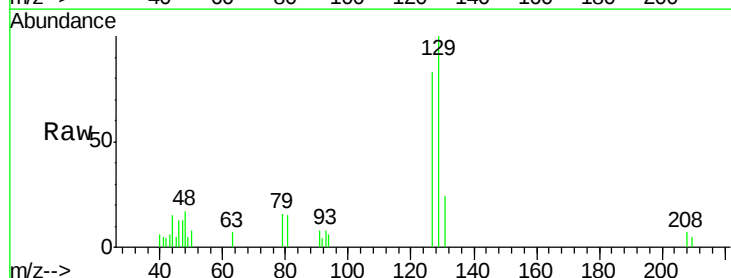
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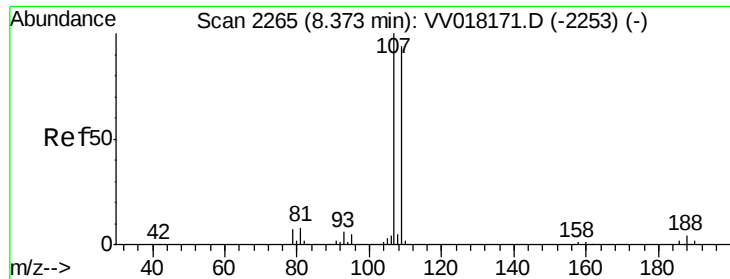
MMDadoda
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#49
Dibromochloromethane
Concen: 2.051 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	82.8	54.5	101.1





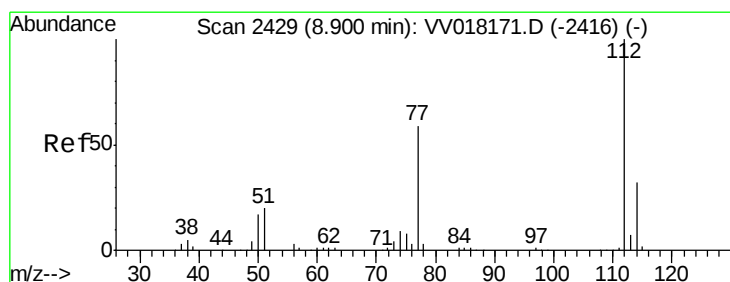
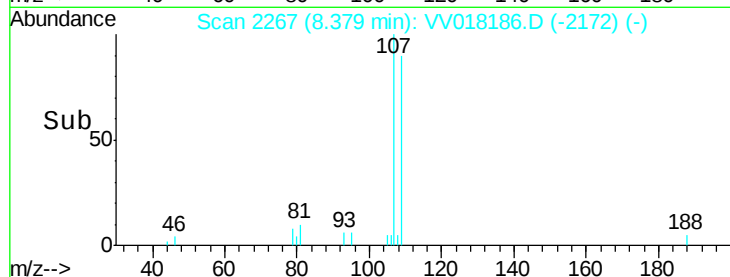
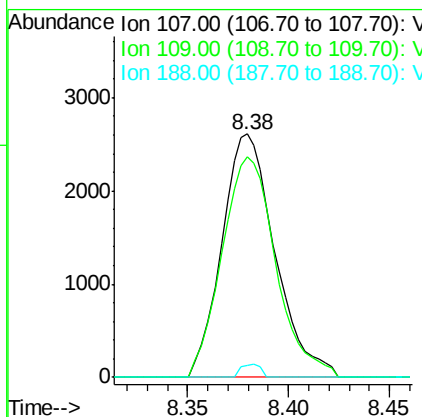
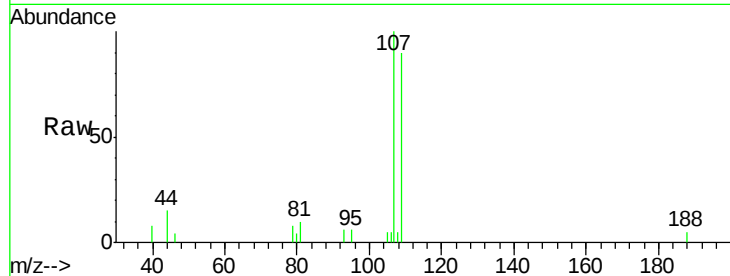
#50
 1,2-Dibromoethane
 Concen: 2.254 ug/L
 RT: 8.38 min Scan# 2267
 Delta R.T. 0.01 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Resp	Lower	Upper
107	100	4795		
109	90.4	66.1	122.8	
188	5.2	3.2	4.8#	

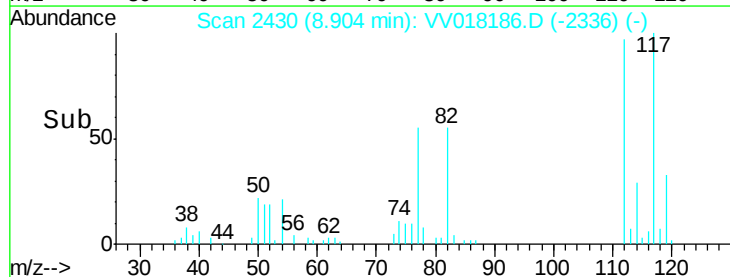
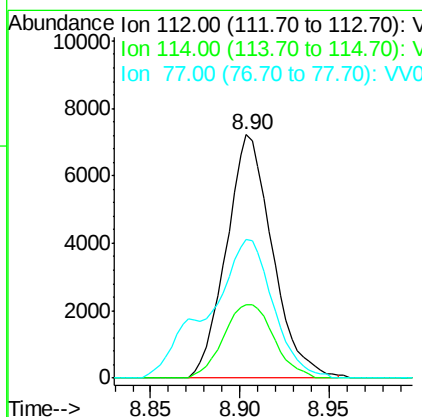
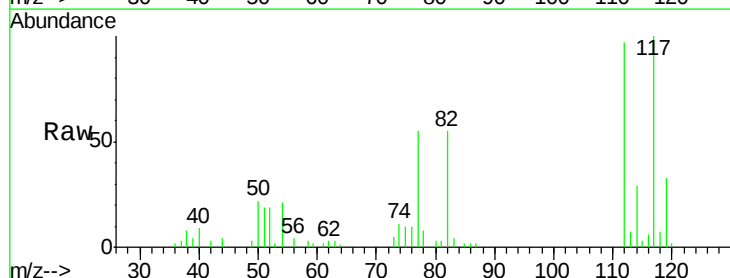
Manual Integrations
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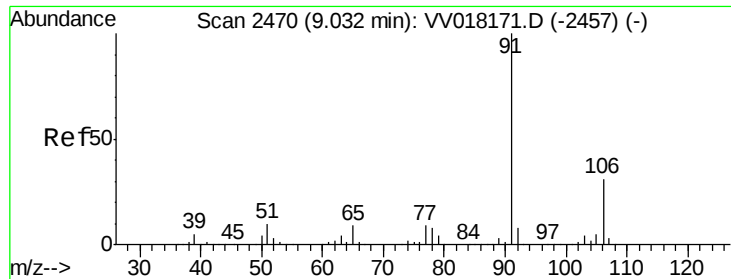
MMDadoda
 9/11/2020 10:29:01 AM



#51
 Chlorobenzene
 Concen: 2.289 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	12949		
114	30.3	22.6	42.0	
77	56.8	48.0	72.0	





#52

Ethylbenzene

Concen: 2.174 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Tot Ion: 91 Resp: 20673

Ion Ratio Lower Upper

91 100

106 28.3 21.3 39.5

Instrument :

MSVOA_V

ClientSampled :

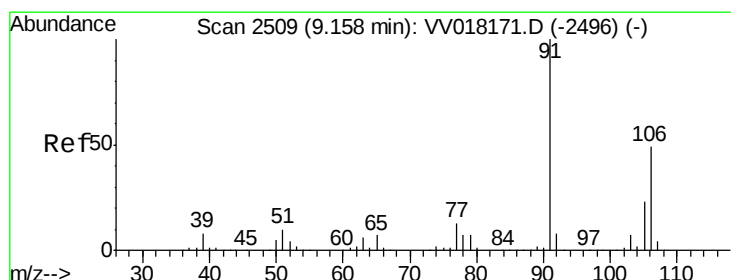
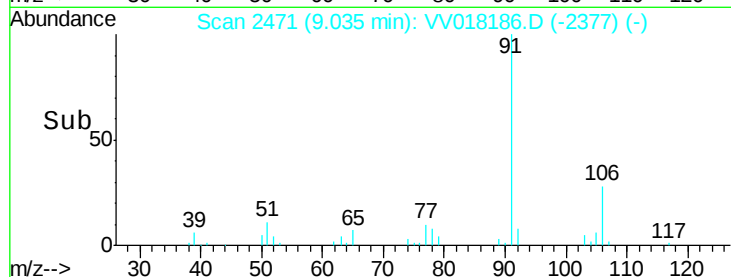
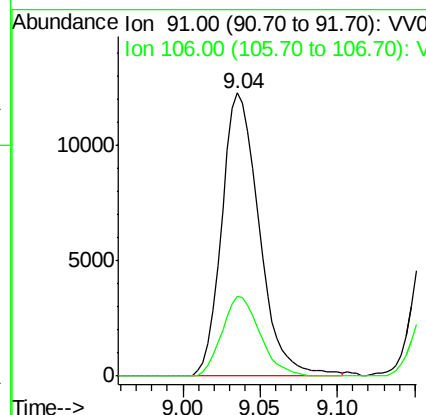
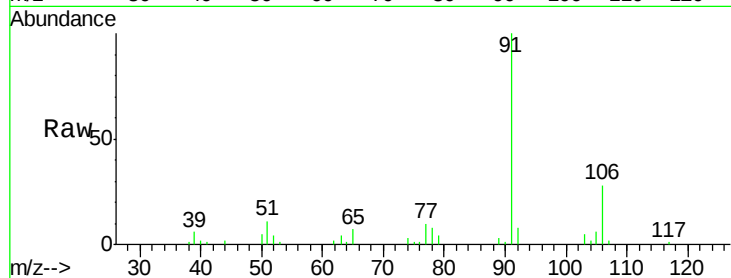
MDL04

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#53

m,p-Xylene

Concen: 1.965 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV018186.D

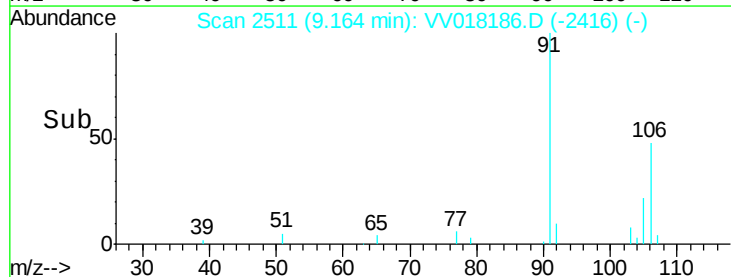
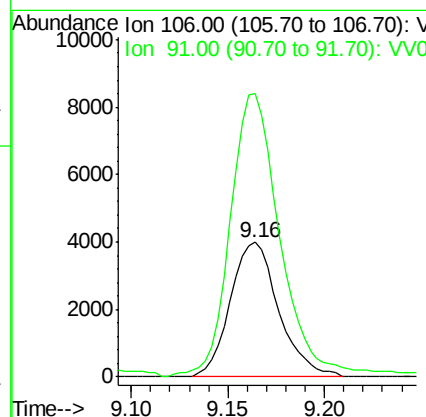
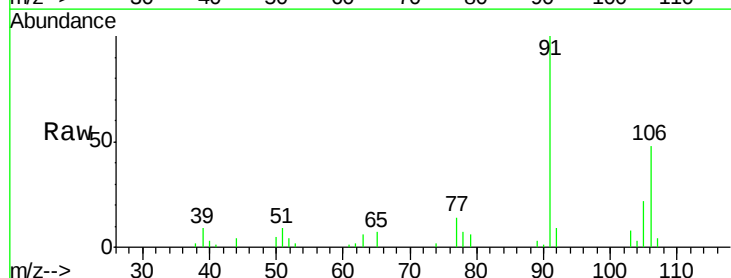
Acq: 10 Sep 2020 17:49

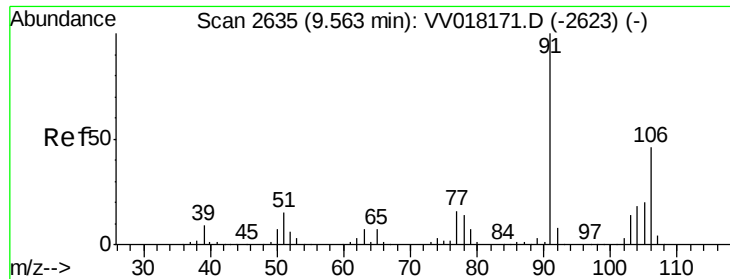
Tgt Ion: 106 Resp: 6974

Ion Ratio Lower Upper

106 100

91 210.1 146.7 272.5





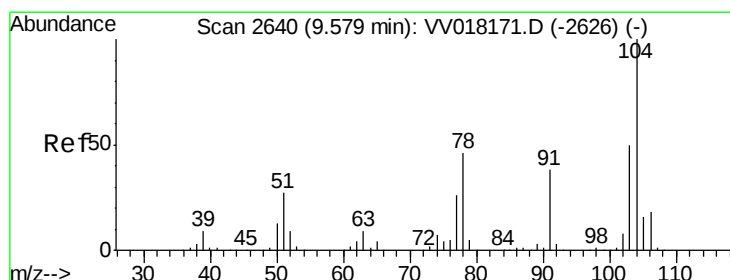
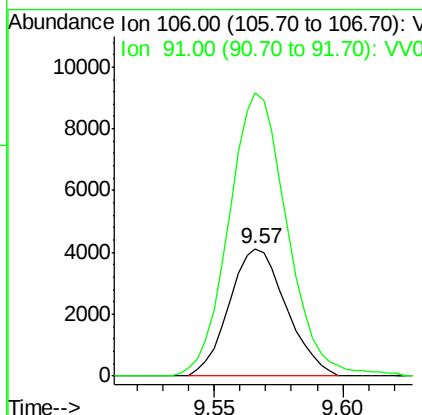
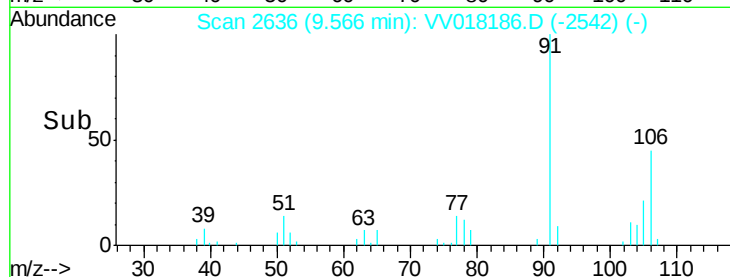
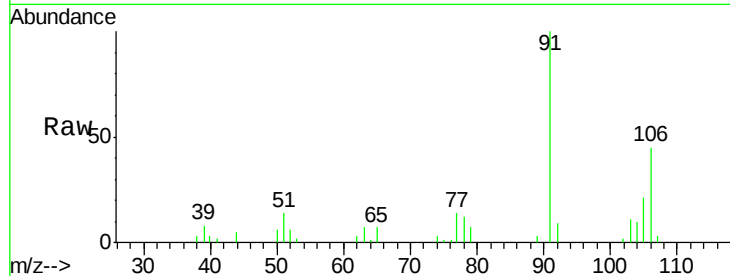
#54
o-xylene
Concen: 1.866 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion:106 Resp: 6379
Ion Ratio Lower Upper
106 100
91 221.5 152.2 282.6

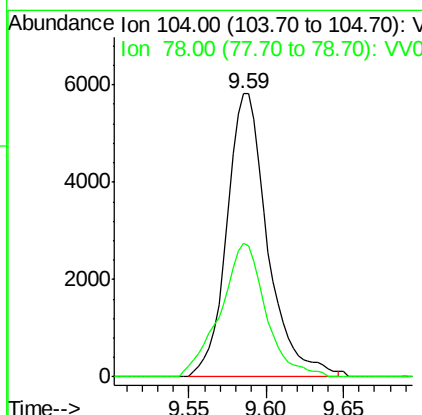
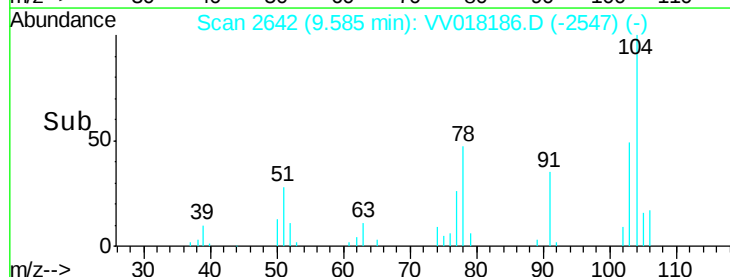
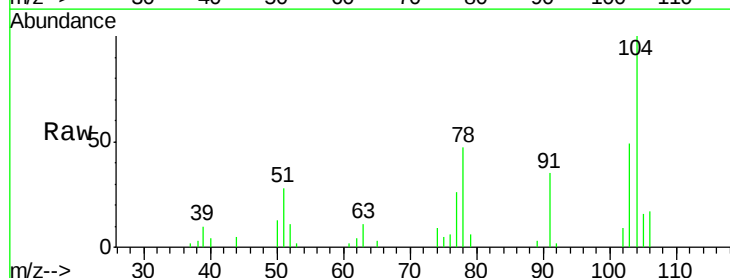
Manual Integrations
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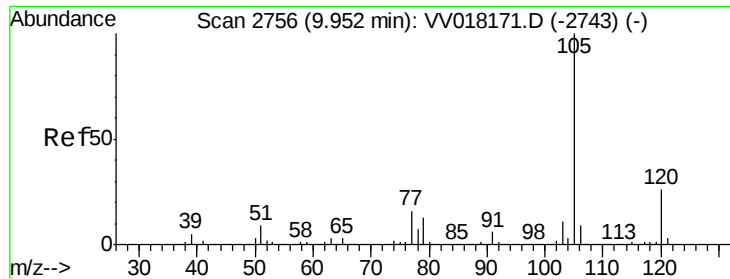
MMDadoda
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#55
Styrene
Concen: 1.788 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV018186.D
Acq: 10 Sep 2020 17:49

Tgt Ion:104 Resp: 10629
Ion Ratio Lower Upper
104 100
78 47.3 31.4 58.2





#56

Isopropylbenzene

Concen: 1.880 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

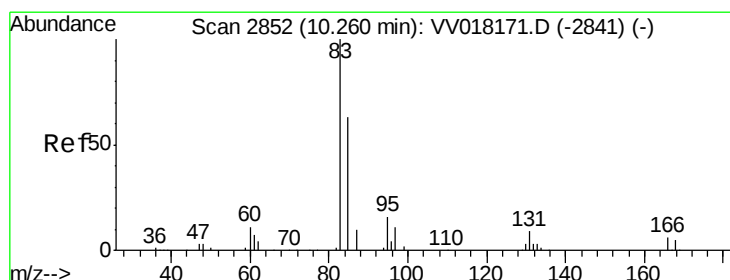
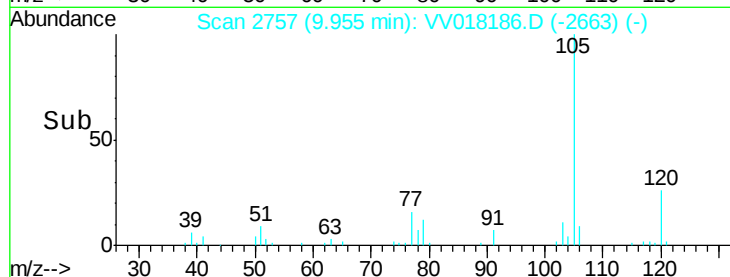
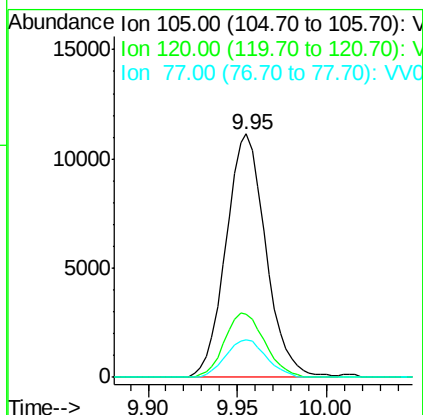
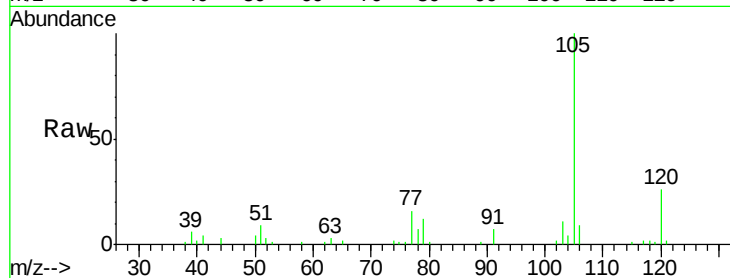
ClientSampled :

MDL04

Tot Ion:	105	Resp:	17321
Ion Ratio	Lower	Upper	
105	100		
120	26.5	20.9	31.3
77	15.8	12.5	18.7

Manual Integrations
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MMDadoda
9/11/2020 10:29:01 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 2.453 ug/L

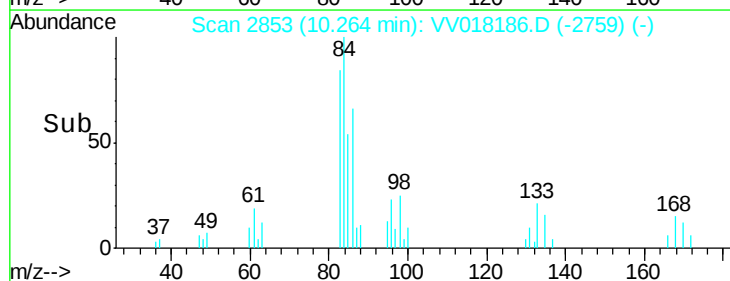
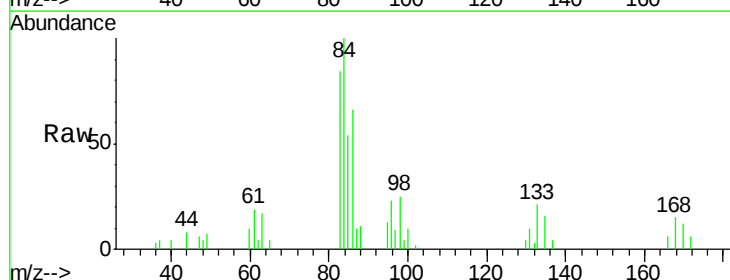
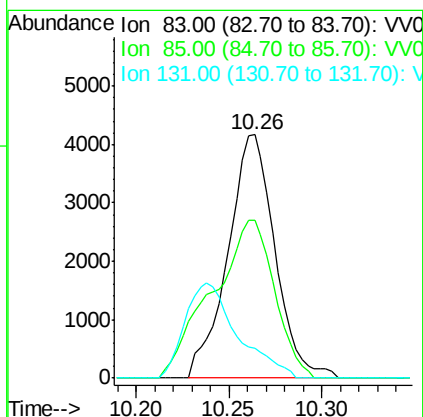
RT: 10.26 min Scan# 2853

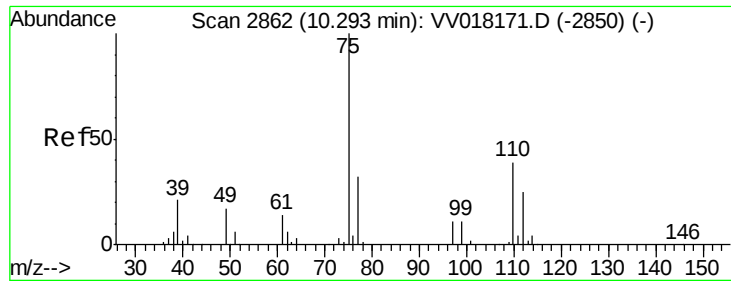
Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Tgt Ion:	83	Resp:	7335
Ion Ratio	Lower	Upper	
83	100		
85	64.8	45.8	85.2
131	12.0	8.0	12.0#





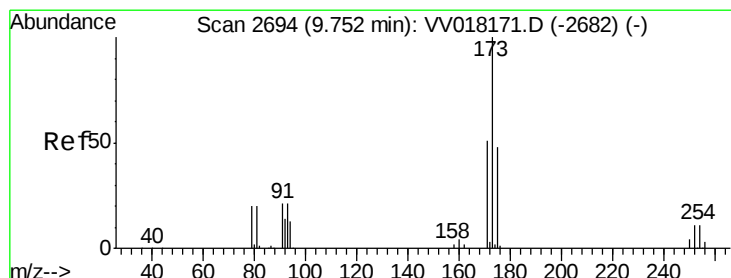
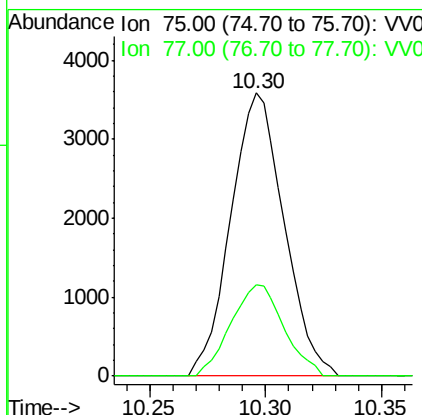
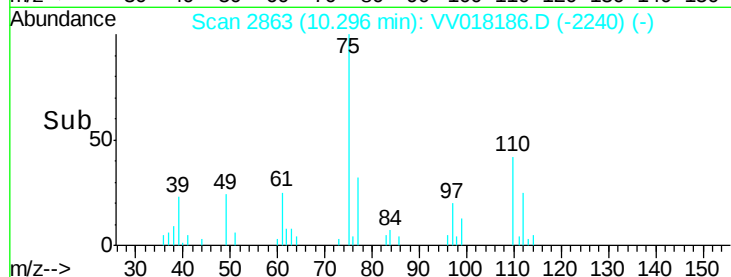
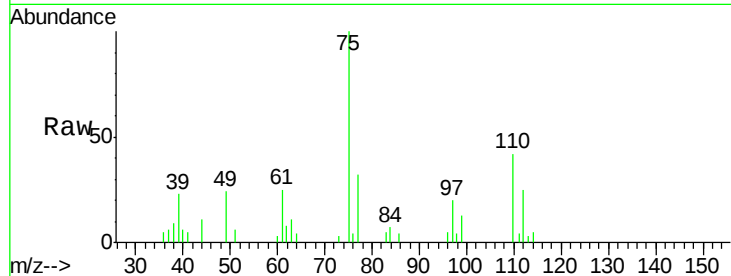
#59
 1,2,3-Trichloropropane
 Concen: 2.229 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion: 75 Resp: 5719
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.6

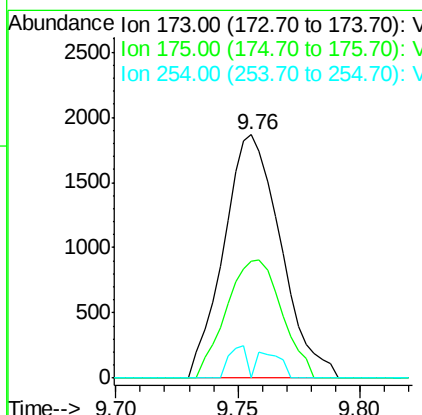
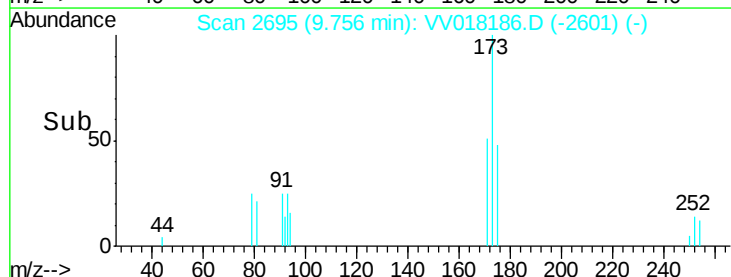
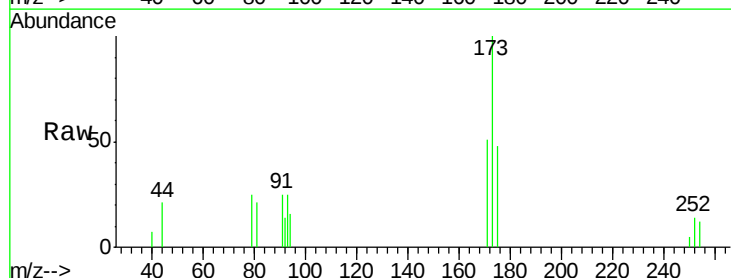
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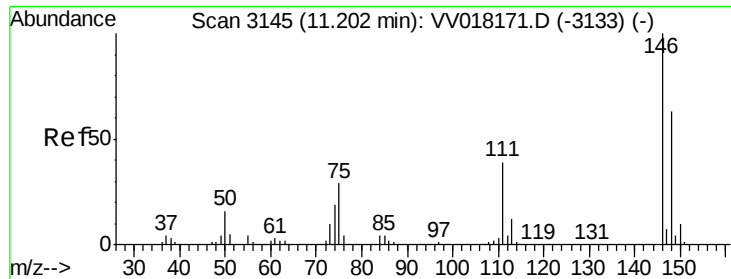
MMDadoda
 9/11/2020 10:29:01 AM



#61
 Bromoform
 Concen: 1.887 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Tgt Ion: 173 Resp: 3026
 Ion Ratio Lower Upper
 173 100
 175 0.0 39.0 58.6#
 254 4.1 9.0 13.4#





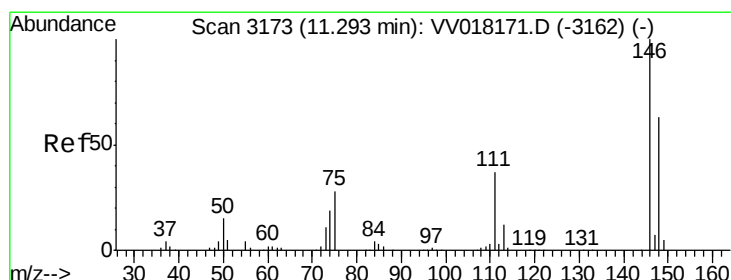
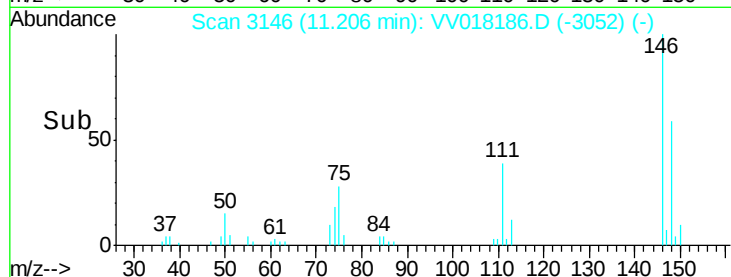
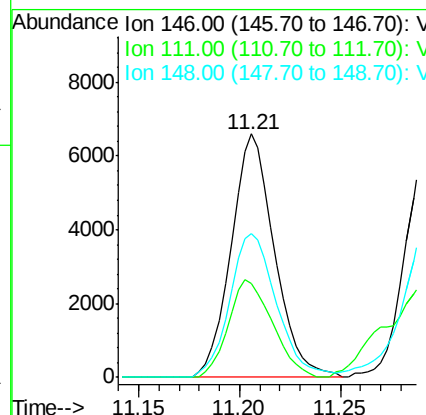
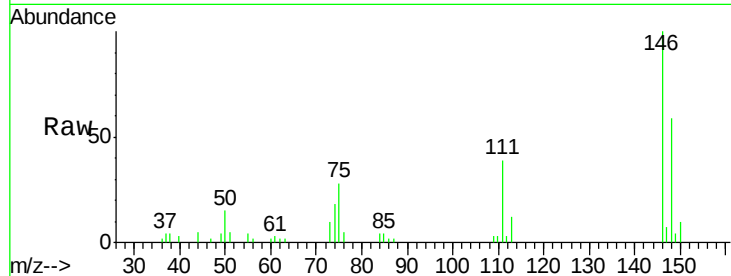
#62
 1,3-Dichlorobenzene
 Concen: 2.234 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	27.6	51.2
148	59.1	45.4	84.2

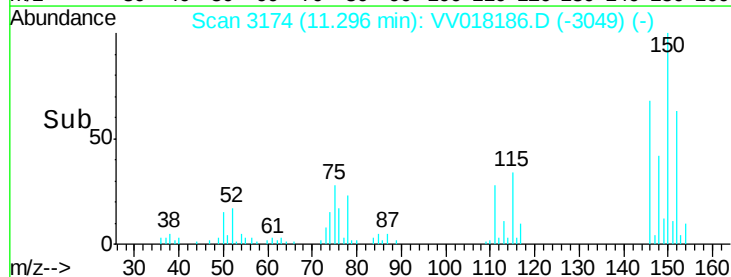
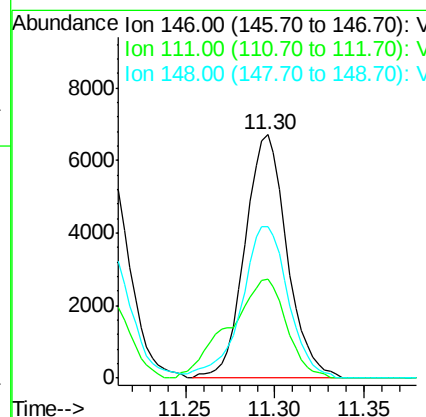
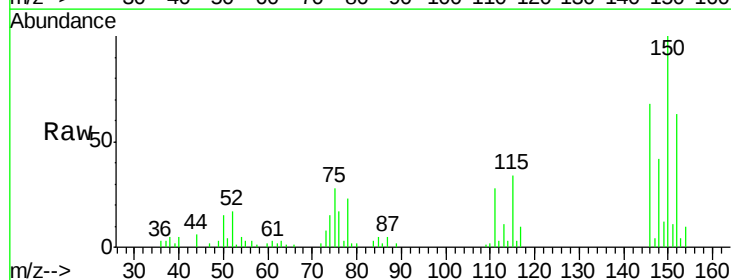
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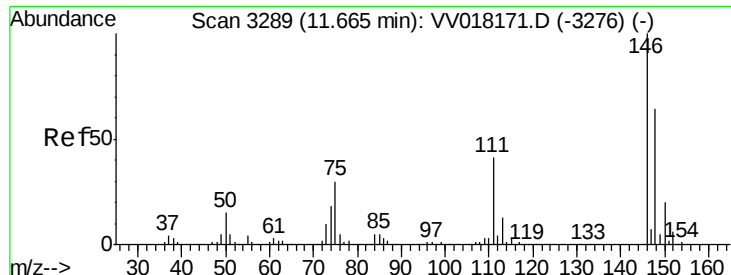
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#63
 1,4-Dichlorobenzene
 Concen: 2.417 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	27.1	50.3
148	62.2	45.4	84.2





#65

1,2-Dichlorobenzene

Concen: 2.419 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

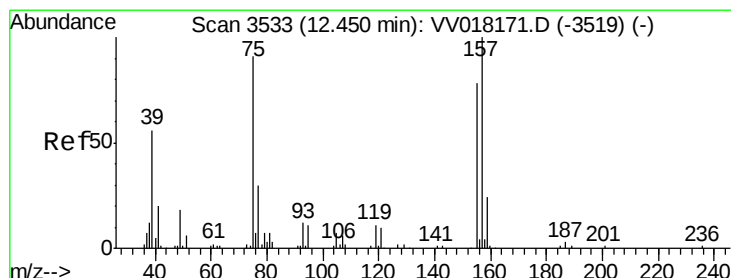
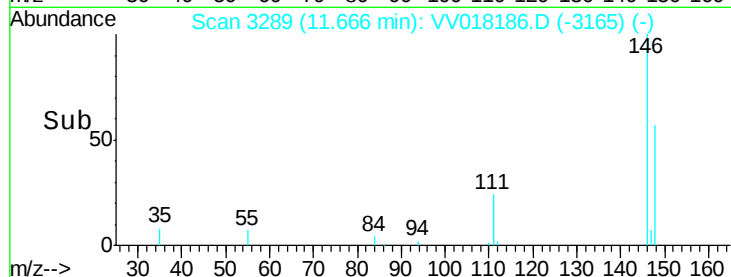
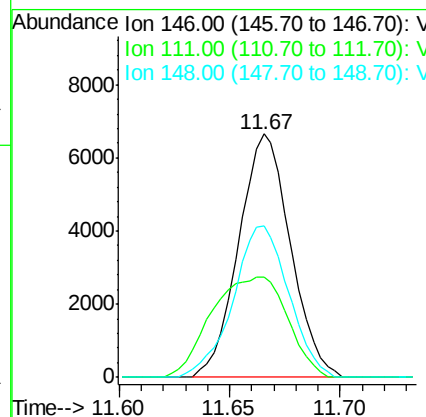
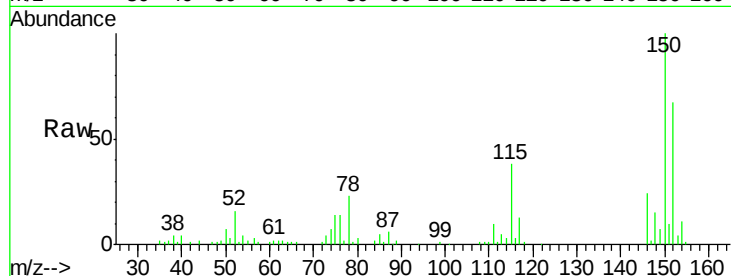
ClientSampled :

MDL04

Tot Ion:	146	Resp:	10854
Ion Ratio	Lower	Upper	
146	100		
111	41.4	32.8	49.2
148	62.0	50.7	76.1

Manual Integrations
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#66

1,2-Dibromo-3-chloropropane

Concen: 1.859 ug/L

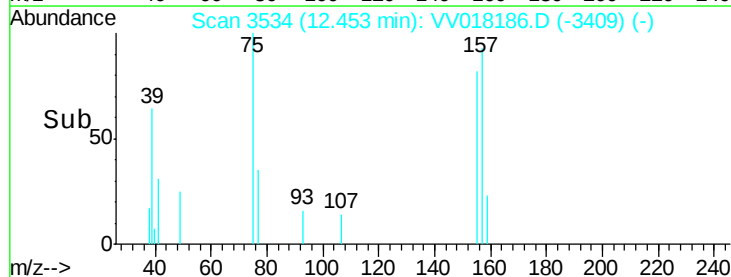
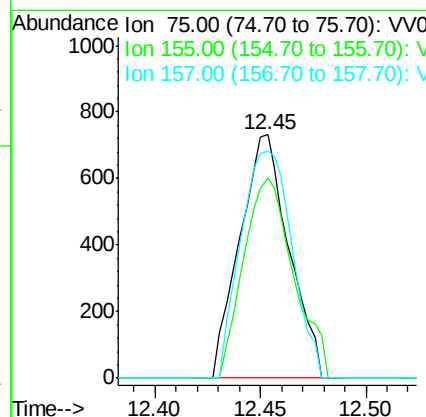
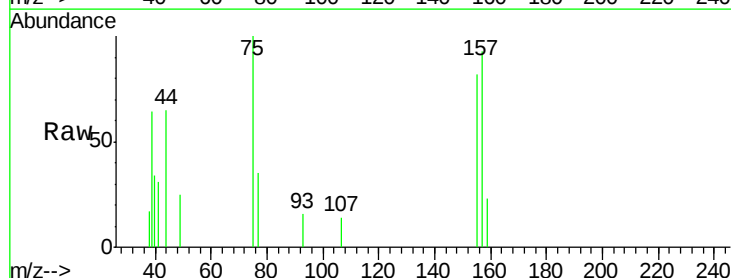
RT: 12.45 min Scan# 3534

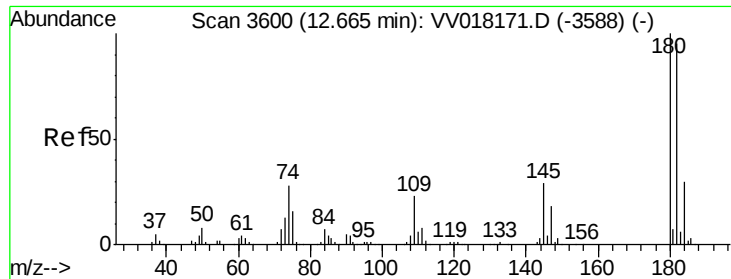
Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Tgt Ion:	75	Resp:	1177
Ion Ratio	Lower	Upper	
75	100		
155	82.1	69.7	104.5
157	93.2	88.2	132.4





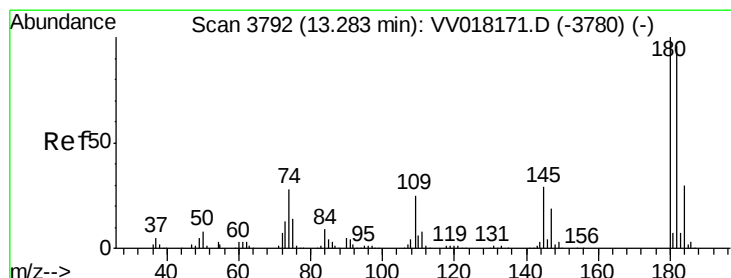
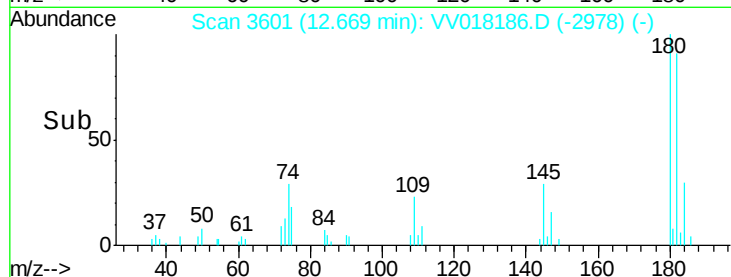
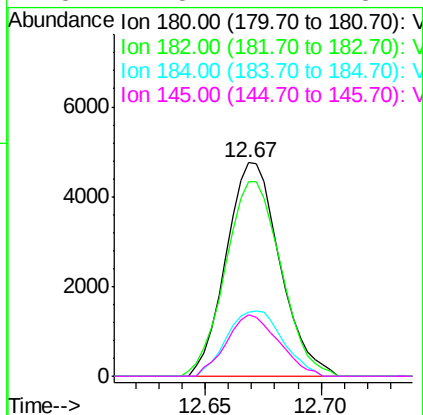
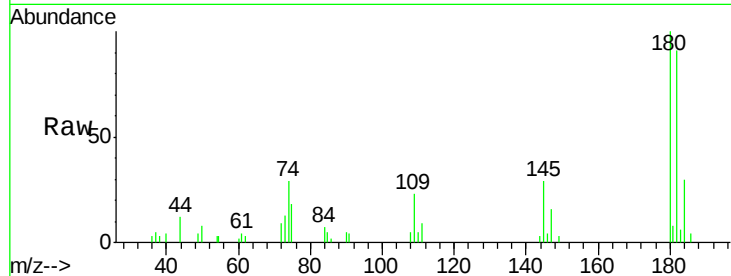
#67
 1,3,5-Trichlorobenzene
 Concen: 2.189 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Resp	Lower	Upper
180	100	7658		
182	94.0		76.8	115.2
184	31.9		24.6	36.8
145	27.8		22.7	34.1

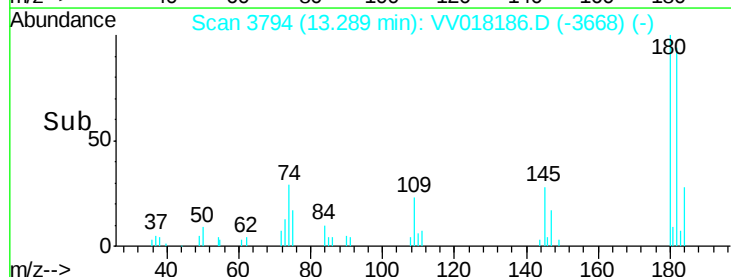
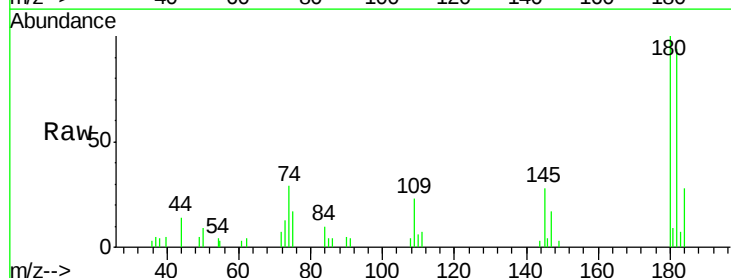
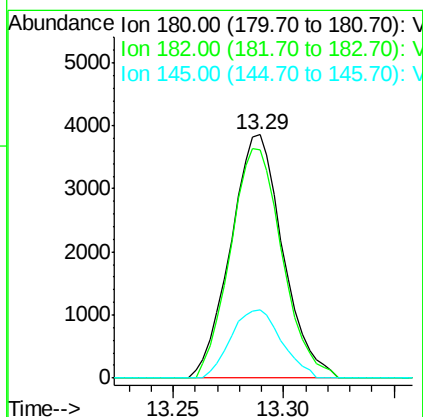
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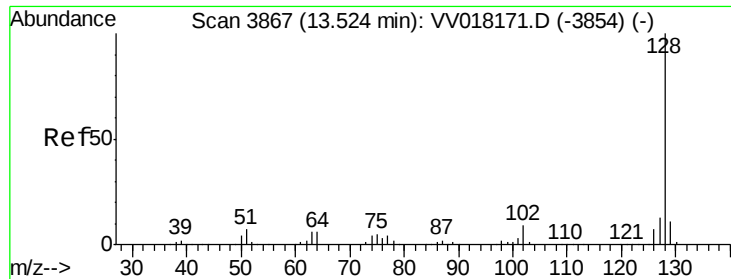
MMDadoda
 9/11/2020 10:29:01 AM



#68
 1,2,4-trichlorobenzene
 Concen: 2.034 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV018186.D
 Acq: 10 Sep 2020 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	6339		
182	93.8		77.4	116.2
145	27.3		23.2	34.8





#69

Naphthalene

Concen: 1.586 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Instrument :

MSVOA_V

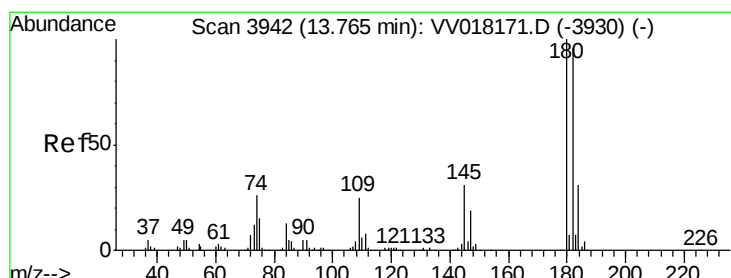
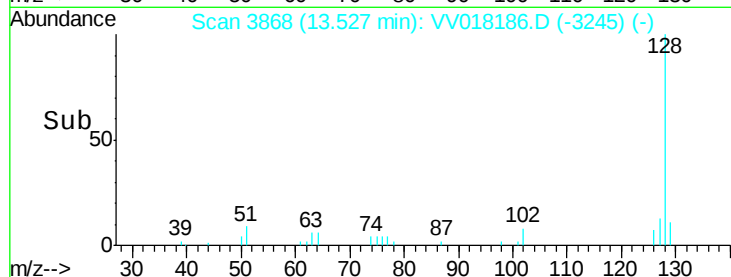
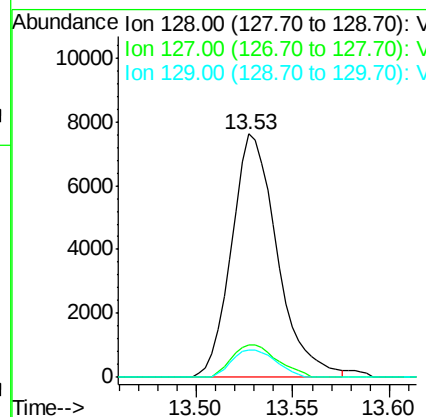
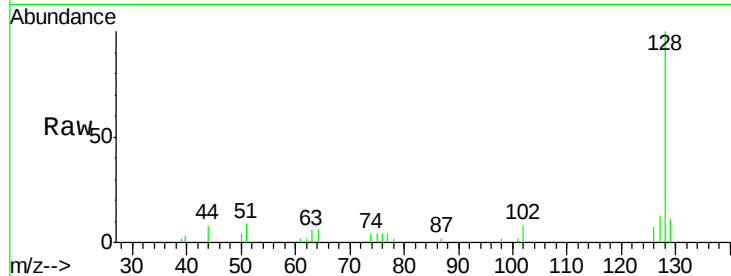
ClientSampled :

MDL04

Tot Ion:	128	Resp:	12505
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.8	8.6	13.0

Manual Integrations
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MMDadoda
9/11/2020 10:29:01 AM



#70

1,2,3-Trichlorobenzene

Concen: 1.936 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV018186.D

Acq: 10 Sep 2020 17:49

Tgt Ion:	180	Resp:	5941
Ion Ratio	Lower	Upper	
180	100		
182	95.7	76.5	114.7
145	32.2	24.9	37.3

